



TOWNSHIP of HOPEWELL
MERCER COUNTY

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

PROJECT / APPLICATION

BLOCK: 93

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

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

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

SWM PLAN

P. 1-2000
AUGUST 2025

STORMWATER MANAGEMENT REPORT

VENUE AT HOPEWELL

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60

TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

BCG# 081391-01-001

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

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I. INTRODUCTION

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

A. Location and Description of Project Site

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

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

B. Project Description

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

II. OVERVIEW OF REGULATORY REQUIREMENTS

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

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

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

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

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

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

III. METHODOLOGIES

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

A. Estimates of Runoff Rates and Volumes

1. Pre-Development versus Post-Development

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

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

2. Runoff Coefficients and Times of Concentration

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

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

3. Weighted Average Volume Technique

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

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

B. Water Quality Management

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

C. Ground Water Recharge

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

1. Demonstrating through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site; or
2. Demonstrating through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected two-year storm, as defined and determined pursuant to N.J.A.C. 7:8-5.7(d), is infiltrated.

Refer to the Tables and Appendices for details.

D. Erosion and Sedimentation Control

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

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

IV. EXISTING SITE CONDITIONS AND STORMWATER RUNOFF ESTIMATES

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

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

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

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

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

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

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

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

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

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

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

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

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

TABLE NO. 1									
SUMMARY OF EXISTING RUNOFF CONDITIONS									
Drainage Area No.	Area (Acres)	Runoff Curve No.	Time of Concentration (Min)	Q2 (cfs)	Q10 (cfs)	Q100 (cfs)	Q2 Future (cfs)	Q10 Future (cfs)	Q100 Future (cfs)
X-1I	4.90	98	8.9	13.62	22.04	38.27	16.08	25.63	50.65
X-1P	61.77	66	8.9	44.37	123.88	312.41	65.74	162.64	469.65
X-1S	24.90	68	8.9	19.46	52.35	129.27	28.36	68.24	192.99
XDA-1 (subtotal)	91.57	-	-	77.88	198.16	479.89	110.02	256.41	713.24
X-2P	35.20	77	10.4	50.22	103.12	214.50	64.99	127.12	301.66
XDA-2 (subtotal)	35.20	-	-	50.22	103.12	214.50	64.99	127.12	301.66
X-3P	22.13	76	2.6	40.75	84.19	175.74	52.87	103.91	247.38
XDA-3 (subtotal)	22.13	-	-	40.75	84.19	175.74	52.87	103.91	247.38
X-4P	30.2	67	9.8	23.00	61.04	151.23	2.95	9.11	30.50
X-6S	4.75	60	9.8	1.71	6.59	19.28	33.12	79.55	225.90
XDA-4 (subtotal)	34.95	-	-	24.68	67.61	170.56	36.05	88.64	256.39
X-5P	8.76	75	8.8	11.91	25.49	54.62	15.67	31.72	77.62
XDA-5 (subtotal)	8.76	-	-	11.91	25.49	54.62	15.67	31.72	77.62
X-6I	0.76	98	8.9	2.40	3.66	6.11	2.77	4.19	7.99
X-6P	26.49	71	8.9	28.11	66.16	151.46	38.45	84.11	220.31
X-6PO	29.84	70	8.9	29.58	71.55	166.77	40.93	91.50	244.09
XDA-6 (subtotal)	57.09	-	-	60.06	141.35	324.33	82.12	179.79	472.39

The total runoff to each drainage area is summarized in table 2 below.

TABLE NO. 2 TOTAL RUNOFF TO EACH EXISTING DRAINAGE AREA						
Storm Freq.	XDA1	XDA2	XDA3	XDA4	XDA5	XDA6
	Peak Runoff	Peak Runoff	Peak Runoff	Peak Runoff	Peak Runoff	Peak Runoff
2	77.88 cfs	50.22 cfs	40.75 cfs	24.68 cfs	11.91 cfs	58.20 cfs
10	198.16 cfs	103.12 cfs	84.19 cfs	67.61 cfs	25.49 cfs	138.68 cfs
100	479.89 cfs	214.50 cfs	175.74 cfs	170.56 cfs	54.62 cfs	320.86 cfs

V. DESCRIPTION OF PROPOSED CONDITIONS

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

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

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

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

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

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

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

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

Drainage Area No.	Area (Acres)	Runoff Curve No.	Current Q2 (cfs)	Future Q2 (cfs)	Current Q10 (cfs)	Future Q10 (cfs)	Current Q100 (cfs)	Future Q100 (cfs)
PDA-1 (subtotal)	96.420	-	71.43	94.77	157.78	207.49	420.15	621.92
PDA-2 (subtotal)	33.603	-	17.28	22.79	40.05	68.70	166.56	225.59
PDA-3 (subtotal)	29.332	-	11.48	15.01	38.30	59.68	127.66	173.69
PDA-4 (subtotal)	30.311	-	12.13	16.11	32.22	48.40	95.35	139.94
PDA-5 (subtotal)	7.900	-	0.99	1.33	3.16	6.00	22.36	37.01
PDA-6 (subtotal)	51.940	-	50.46	69.22	118.18	148.47	258.41	366.27

VI. DESCRIPTION OF PROPOSED STORMWATER MANAGEMENT FACILITIES

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

VII. ASSESSMENT OF COMPLIANCE WITH STORMWATER MANAGEMENT REQUIREMENTS

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

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

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

A. Maintenance of Average Annual Groundwater Recharge

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

1. Demonstrating through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site; or
2. Demonstrating through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected two-year storm, as defined and determined pursuant to N.J.A.C. 7:8- 5.7(d), is infiltrated.

Total annual recharge in the pre-developed conditions is 9,647,524 cu-ft. In the post-developed conditions, the total annual recharge is 8,815,337 cu-ft. The post-development recharge deficit is 832,187 cu-ft, prior to adding the average annual recharge values of the recharge BMPs. The total recharge value of the recharge BMPs exceeds 832,187 cu-ft, therefore Average Annual Groundwater Recharge is maintained in the post-developed conditions.

A summary of the Average Annual Groundwater Recharge Calculations is as follows:

TABLE NO. 6 GROUNDWATER RECHARGE CALCULATIONS	
Area	Recharge Value (CF)
Post Development Annual Recharge Deficit	832,187
Basin 8	1,165,928
Basin 9	952,213
Basin 17A	489,253
Basin 17B	608,901
Basin 18	99,396
Basin 19	170,190
Basin 27	89,004
Basin 28	101,706
Basin 29	503,287
Basin 34	389,945
Basin 35	235,122

Basin 36A	210,162
Basin 36B	187,423
Basin 37A	265,589
Basin 37B	329,455
Basin 41	328,212
Basin 42	190,265
Basin 43	395,009
Basin 45	337,272
Basin 49	583,142
Basin 50	782,112
Basin 51	465,714
Basin 52	42,103
Basin 53	417,037
Basin 54	394,387
Basin 55	377,510
Basin 56	445,995
Basin 57	352,550
Basin 58	553,385

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

B. Water Quality Management

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

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

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

C. Quantity Control (Peak Flow Attenuation)

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

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

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

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

TABLE NO. 60		
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS TO DESIGN POINT 1		
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	33.15	33.15
10	74.31	74.31
100	167.49	167.49

TABLE NO. 61		
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6		
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	44.33	44.33
10	93.80	93.80

100	243.60	243.60

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

TABLE NO. 62			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM ONSITE AREAS AT DESIGN POINT 1 (DP-1)			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	44.37	22.19	22.00
10	123.88	92.91	62.34
100	312.41	249.93	186.39

TABLE NO. 63			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT FROM ONSITE AREAS DESIGN POINT 1 (DP-1)			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	65.74	32.87	30.24
10	162.64	121.98	86.95
100	469.65	375.72	279.41

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

TABLE NO. 64			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 2 (DP-2)			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	50.22	25.11	17.13
10	103.12	77.34	47.59

100	214.50	171.60	172.55

TABLE NO. 65			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 2 (DP-2)			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	64.99	32.50	22.74
10	127.12	95.34	76.49
100	301.66	241.33	233.97

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

TABLE NO. 66			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 3			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	40.75	20.38	11.22
10	84.19	63.14	45.47
100	175.74	140.59	129.71

TABLE NO. 67			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 3			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	52.87	26.44	16.16
10	103.91	77.93	66.84

100	247.38	197.90	177.31

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

TABLE NO. 68			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 4			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	24.68	12.34	12.19
10	67.61	50.71	35.69
100	170.56	136.45	99.73

TABLE NO. 69			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 4			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	36.05	18.03	16.29
10	88.64	66.48	51.56
100	256.39	205.11	142.55

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

TABLE NO. 70			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 5			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)

2	11.91	5.96	0.99
10	25.49	19.12	3.16
100	54.62	43.70	22.36

TABLE NO. 71			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 5			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	15.67	7.84	1.33
10	31.72	23.79	6.00
100	77.62	62.10	37.01

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

TABLE NO. 72		
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6		
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	31.95	31.95
10	75.19	75.19
100	172.87	172.87

TABLE NO. 73		
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6		
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	43.67	43.67
10	95.68	95.68
100	252.08	252.08

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

TABLE NO. 74			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM ONSITE AREAS AT DESIGN POINT 6 (DP-6)			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	28.11	14.06	12.66
10	66.16	49.62	28.95
100	151.46	121.17	96.37

TABLE NO. 75			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT FROM ONSITE AREAS DESIGN POINT 6 (DP-6)			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	38.45	19.23	17.06
10	84.11	63.08	43.81
100	220.31	176.25	127.66

D. Soil Erosion and Sediment Control Compliance

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

E. Collection and Conveyance System Design

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

F. Use of Non-Structural Strategies

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

VIII. REFERENCES

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

1. New Jersey Stormwater Best Management Practices Manual, New Jersey Department of Environmental Protection; Last Updated: October 6, 2023.
2. Residential Site Improvement Standards, New Jersey Administrative Code Title 5, Chapter 21; Effective Date: March 30, 2021.
3. Standards for Soil Erosion and Sediment Control in New Jersey, New Jersey State Soil Conservation Committee; January 2014 and revised July 2017.
4. Urban Hydrology for Small Watersheds, United States Department of Agriculture, Soil Conservation Service; June, 1986.
5. Soil Survey of Mercer County, United States Department of Agriculture, Soil Conservation Service.
< <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>>
6. NJ-GeoWeb 3.0, New Jersey Department of Environmental Protection, Bureau of GIS. < <https://www.nj.gov/dep/gis/geoweb splash.htm>>

APPENDIX 1
NRCS SOILS RESOURCE REPORT



STORMWATER MANAGEMENT TESTING REPORT

Venue at Hopewell

Somerset County, New Jersey

December 1, 2023



Prepared For:

US Home Corporation (dba Lennar)

2465 Kuser Road, Floor 3

Hamilton, New Jersey 08690

Attn: Mitchell Newman

Prepared By:

Geo-Technology Associates, Inc.

Geotechnical and Environmental Consultants

14 Worlds Fair Drive, Suite A

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GTA Project No: 31191132x1

GEO-TECHNOLOGY ASSOCIATES, INC.

GEOTECHNICAL AND
ENVIRONMENTAL CONSULTANTS

A Practicing Geoprofessional Business Association Member Firm



December 1, 2023

US Home Corporation (dba Lennar)

2465 Kuser Road, Floor 3
Hamilton, New Jersey 08690

Attn: Mitchell Newman

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

Dear Mitch:

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

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

Sincerely,

GEO-TECHNOLOGY ASSOCIATES, INC.

Allison Tether, P.G.
Senior Project Manager

Kyle T. Plaza, P.E.
Associate

Dennis C. Loh, P.E.
Vice President

14 Worlds Fair Drive, Suite A, Somerset, NJ 08873 (732) 271-9301

◆ Abingdon, MD ◆ Baltimore, MD ◆ Laurel, MD ◆ Frederick, MD ◆ Waldorf, MD ◆ New Castle, DE ◆ Georgetown, DE
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Important Information About This Geotechnical Engineering Report

Appendix A – Figures

Figure No. 1	Site Location Map
Figure No. 2	Test Pit Location Plan

Appendix B – Subsurface Summary Table

Appendix C – Exploration Logs

Notes for Exploration Logs
Logs of Test Pits (153 pages)

Appendix D – Laboratory Test Results

Particle Size Distribution Reports (25 pages)
Liquid and Plastic Limits Test Reports (3 pages)

1.0 INTRODUCTION

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

1.1 Study Purpose

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

1.2 Reference Documents

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

2.0 PROJECT DESCRIPTION

2.1 Site Location

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

2.2 Existing Site Conditions

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

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

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

2.3 Proposed SWM Basin Construction

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

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

3.0 GEOTECHNICAL ENGINEERING STUDY

3.1 Geologic Review

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

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

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

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

3.2 Subsurface Exploration

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

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

3.3 Subsurface Conditions

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

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

3.3.1 Surficial Materials

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

3.3.2 Existing Fill

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

3.3.3 Native Soils

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

3.3.4 Weathered Rock

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

3.3.5 Groundwater

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

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

3.4 Laboratory Testing

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

SUMMARY OF LABORATORY TEST RESULTS

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

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

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

3.5 Infiltration Test Results

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

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

3.6 Basin Flood Test Results

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

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

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

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

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

4.0 CONCLUSIONS

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

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

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

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

5.0 ADDITIONAL SERVICES

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

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

6.0 LIMITATIONS

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

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

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

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

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

Important Information about This Geotechnical-Engineering Report

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

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

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

Understand the Geotechnical-Engineering Services Provided for this Report

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

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

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

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer

will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

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

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

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

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

Read this Report in Full

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

You Need to Inform Your Geotechnical Engineer About Change

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

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

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

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

Most of the “Findings” Related in This Report Are Professional Opinions

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

This Report’s Recommendations Are Confirmation-Dependent

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

This Report Could Be Misinterpreted

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

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

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

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note*

conspicuously that you’ve included the material for information purposes only. To avoid misunderstanding, you may also want to note that “informational purposes” means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

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

Geoenvironmental Concerns Are Not Covered

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

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

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



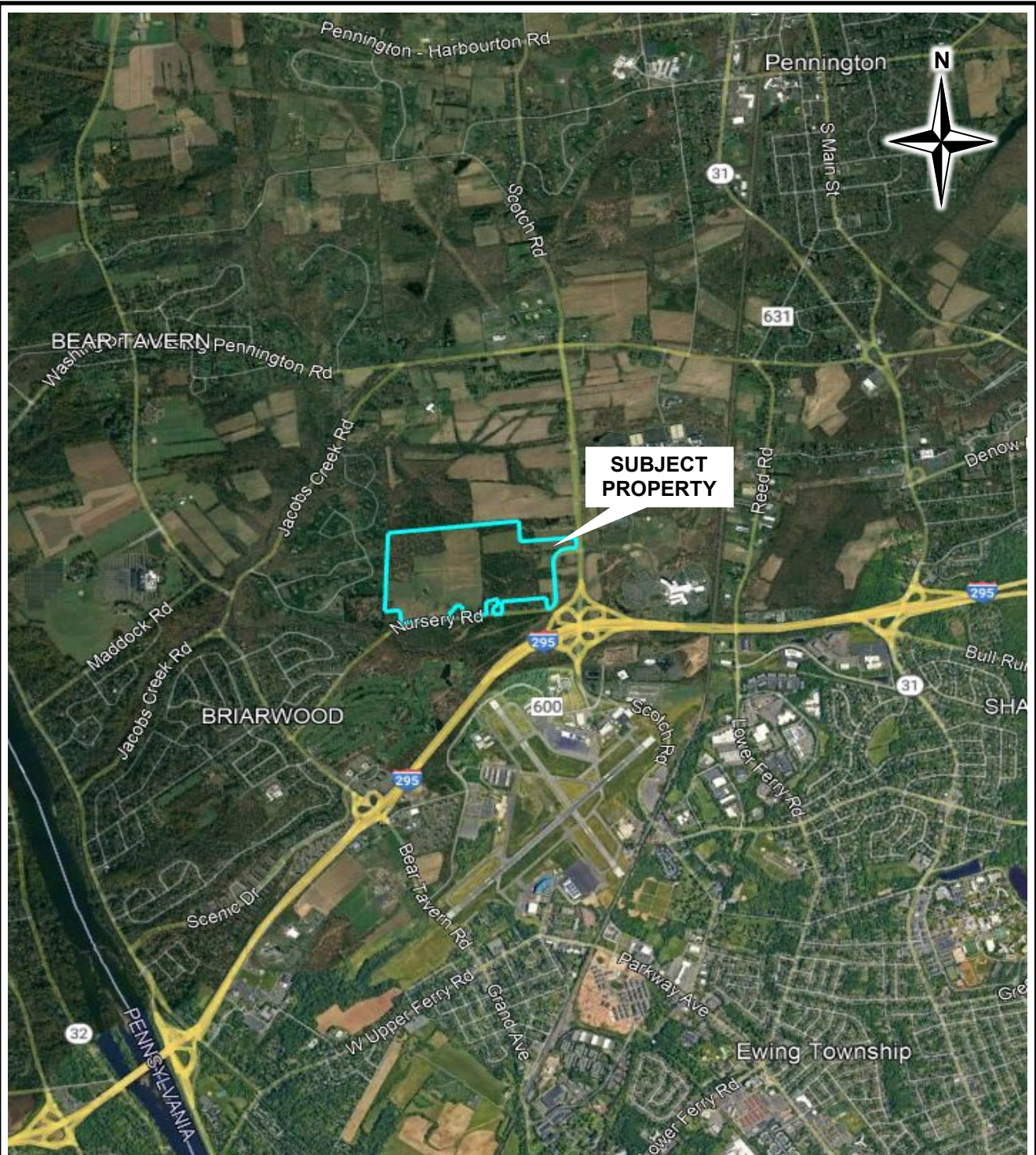
**GEOPROFESSIONAL
BUSINESS
ASSOCIATION**

Telephone: 301/565-2733

e-mail: info@geoprofessional.org www.geoprofessional.org

APPENDIX A

Figures



Note: Site boundary is approximate.

SITE LOCATION MAP



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

GEO-TECHNOLOGY ASSOCIATES, INC.

VENUE AT HOPEWELL

Hopewell Township,
Mercer County, New Jersey

Prepared For: Lennar

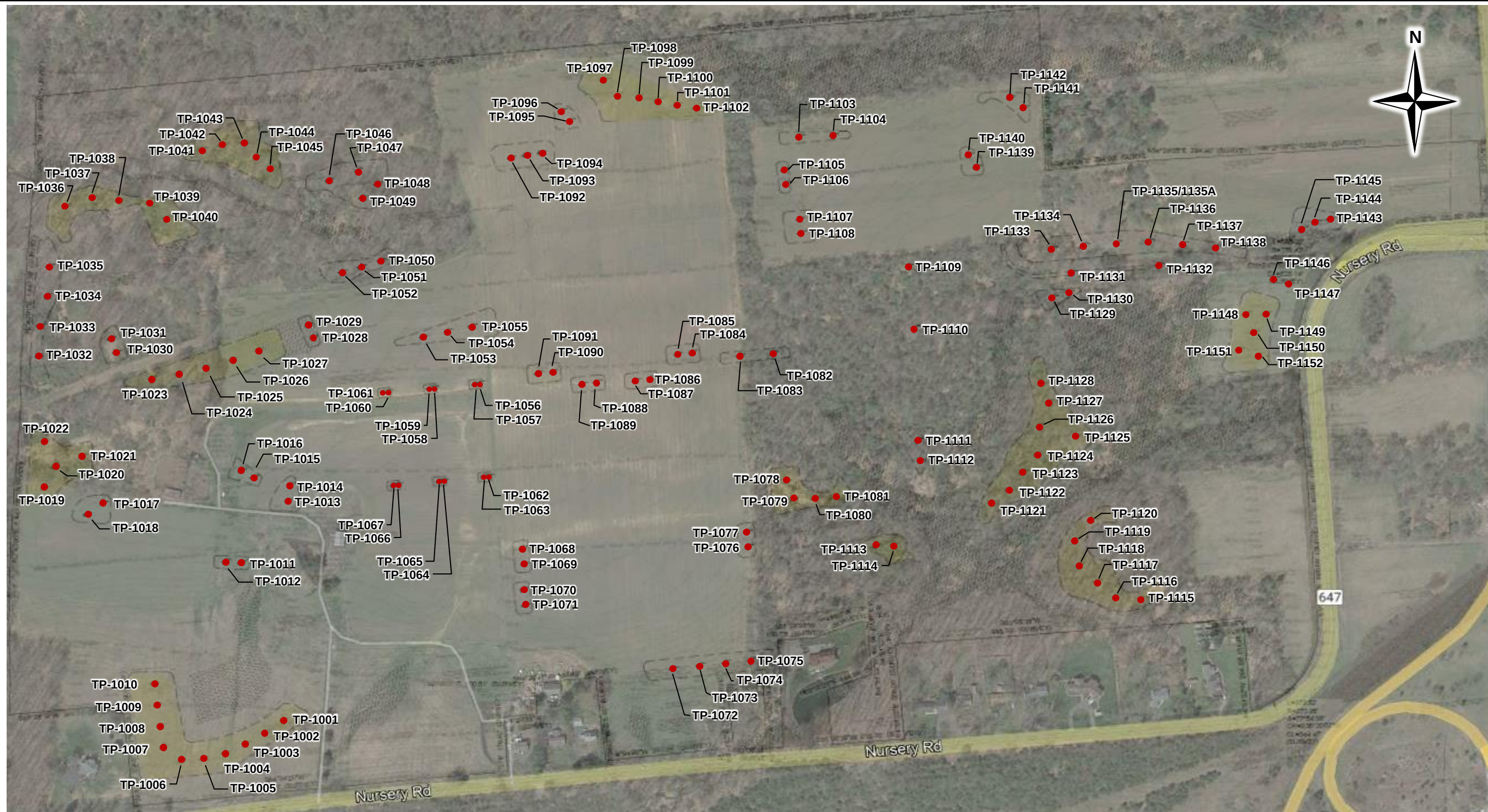
SOURCE: Google Maps

SCALE: NTS

DATE: DEC. 2023

PROJECT #: 31191132x1

Figure 1



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

LEGEND:

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

TEST PIT LOCATION PLAN



14 Worlds Fair Drive, Suite A
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(732) 271-9301
fax (732) 271-9306

GEO-TECHNOLOGY ASSOCIATES, INC.

VENUE AT HOPEWELL

Hopewell Township,
Mercer County, New Jersey

Prepared For: Lennar

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

Figure 2

APPENDIX B

Subsurface Summary Table

Lennar - Venue at Hopewell
Subsurface Summary Table

Date: 12/1/2023
GTA Project No.: 31191132x1

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

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

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

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

NOTES:

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

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

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

APPENDIX C

Exploration Logs

NOTES FOR EXPLORATION LOGS

KEY TO USCS TERMINOLOGY AND GRAPHIC SYMBOLS

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

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

ADDITIONAL TERMINOLOGY AND GRAPHIC SYMBOLS

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

COARSE-GRAINED SOILS (GRAVEL AND SAND)

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

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

FINE-GRAINED SOILS (SILT AND CLAY)

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

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

SAMPLE TYPE

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

WATER DESIGNATION

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

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

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1001 (Stake #5000)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1004 (Stake #5003)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1007 (Stake #5006)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



**GEO-TECHNOLOGY
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 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1012 (Stake #5062)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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LOG OF TEST PIT NO. TP-1015 (Stake #5058)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1016 (Stake #5057)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1018 (Stake #5055)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1020 (Stake #5011)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1021 (Stake #5010)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1022 (Stake #5013)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1023 (Stake #5014)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1024 (Stake #5015)

Sheet 1 of 1

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

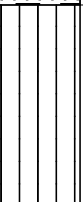
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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LOG OF TEST PIT NO. TP-1025 (Stake #5016)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
192.2	0			6 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 3 Ft. - NMC = 21.6%
		ML		Brown (7.5YR 4/4), moist, Gravelly SILT with sand [Silt Loam per USDA]	
187.7	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
184.7	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				- Basin Flood Test performed at 7 Ft.
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

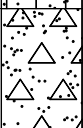
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1036 (Stake #5020)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

NOTES: **Location and elevation provided by Bowman.**
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GEO-TECHNOLOGY ASSOCIATES, INC.
 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

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

Sheet 1 of 1

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

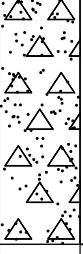
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1040 (Stake #5024)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1043 (Stake #5027)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

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

Sheet 1 of 1

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

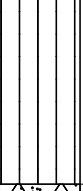
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.
 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1046 (Stake #5085)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 Somerset, NJ 08873

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

Sheet 1 of 1

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

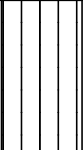
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.
 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1053 (Stake #5079)

Sheet 1 of 1

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

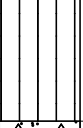
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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 Somerset, NJ 08873

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

Sheet 1 of 1

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

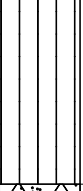
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1056 (Stake #5073)

Sheet 1 of 1

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

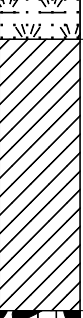
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



**GEO-TECHNOLOGY
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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

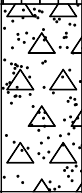
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1060 (Stake #5077)

Sheet 1 of 1

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

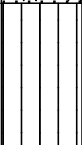
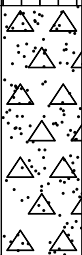
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1068 (Stake #5066)

Sheet 1 of 1

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

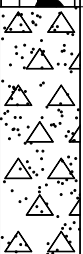
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



**GEO-TECHNOLOGY
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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

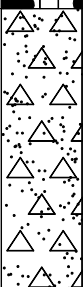
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

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

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

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

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1074 (Stake #5119)

Sheet 1 of 1

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

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
179.0	0			10 In. of Topsoil	- Infiltration rate = 2 in/hr at 1 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
176.8	2				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
173.8	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1075 (Stake #5118)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1076 (Stake #5117)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
199.5 198.3 197.3 193.8	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2	GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1076 (Stake #5117)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1077 (Stake #5116)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **201.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
200.4 199.2 198.2	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Dark yellow-brown (10YR 3/4), moist, Sandy SILT [Silt Loam per USDA]	
	2	GM		Dark yellow-brown (10YR 3/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
195.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.
 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1077 (Stake #5116)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1078 (Stake #5030)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
196.8	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 3 Ft.
		ML		Yellow-brown (10YR 5/6), moist, Sandy SILT [Silt Loam per USDA]	
194.6	2			Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	GM			
192.6	6			Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 8 Ft.
	8	HW			
189.6				Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1078 (Stake #5030)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1079 (Stake #5031)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **196.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
196.2	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
193.9	2				
		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
191.9	4				
				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 5 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1079 (Stake #5031)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1080 (Stake #5032)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **194.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
194.2	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 15.6%
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
191.9	2				
	4	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 5 Ft.
	6				
187.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1080 (Stake #5032)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1081 (Stake #5033)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **192.8 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
192.1	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
190.8	2	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
	6				
185.8	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1081 (Stake #5033)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1082 (Stake #5106)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **208.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
207.6	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
204.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
200.4	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1082 (Stake #5106)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1083 (Stake #5107)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

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

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **208.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
207.9	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
205.7	2				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
202.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1083 (Stake #5107)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1084 (Stake #5108)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
 DATE COMPLETED: **11/03/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **208.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
208.1	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
205.9	2				
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
202.9	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1084 (Stake #5108)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1085 (Stake #5109)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
 DATE COMPLETED: **11/03/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **208.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
207.9	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
206.2	2	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
204.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
202.2	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1085 (Stake #5109)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1086 (Stake #5110)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
 DATE COMPLETED: **11/03/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **207.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.9	0			10 In. of Topsoil	- NMC = 20.3% - Infiltration rate = 0 in/hr at 2-1/2 Ft.
		CI		Red-brown (5YR 4/4), moist, Lean CLAY [Clay per USDA]	
	2				
	204.7	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
203.2	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1086 (Stake #5110)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1087 (Stake #5111)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.5	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
		ML		Brown (7.5YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
	204.3	SM		Brown (10YR 4/6), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	4				
202.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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

LOG OF TEST PIT NO. TP-1087 (Stake #5111)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1088 (Stake #5112)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **206.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
205.6	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 3-1/2 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
202.4	4	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
200.9	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
198.9	8			Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1088 (Stake #5112)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1089 (Stake #5113)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **205.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
204.7	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 4-1/2 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
	4				
200.5		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	6				
199.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	8				
197.5				Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1089 (Stake #5113)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1090 (Stake #5114)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
 DATE COMPLETED: **11/03/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **205.0 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
204.2	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
202.0					- Infiltration rate = 0 in/hr at 2-1/2 Ft.
	4				
200.5		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
198.5				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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

LOG OF TEST PIT NO. TP-1090 (Stake #5114)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1091 (Stake #5115)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
 DATE COMPLETED: **11/03/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **204.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
203.6	0			10 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 3 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
201.4	2				
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	4				
199.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
197.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1091 (Stake #5115)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1092 (Stake #5089)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **196.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
195.5	0			12 in. of Topsoil	- Infiltration rate = 1 in/hr at 1 Ft.
	2	ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
187.0	10			Test pit complete at 9-1/2 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1092 (Stake #5089)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1093 (Stake #5090)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **196.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
195.9	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 3 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
193.9	4				- Infiltration rate = 0 in/hr at 3 Ft.
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
191.9	6				
189.4	8			Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1093 (Stake #5090)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1094 (Stake #5091)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **196.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
196.1	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 22.7%
		ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt per USDA]	
193.9	2				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
190.9	4				
	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1094 (Stake #5091)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1095 (Stake #5092)

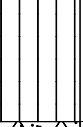
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **194.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
193.6	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				
191.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
189.6	4				
	6			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



**GEO-TECHNOLOGY
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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1095 (Stake #5092)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1096 (Stake #5093)

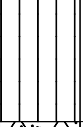
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **195.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
194.2	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
	2	ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
189.7	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1096 (Stake #5093)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1097 (Stake #5094)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **190.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
189.3	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND [Sandy Loam per USDA]	
187.1	2				- Basin Flood Test performed at 5 Ft.
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
184.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1097 (Stake #5094)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1098 (Stake #5095)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
189.1	0			10 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 1-1/2 Ft. - NMC = 19.4%
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
186.4	2				
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 6 Ft.
	6				
182.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1098 (Stake #5095)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1099 (Stake #5096)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **189.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
189.0	0			6 In. of Topsoil	- Infiltration rate = 0 in/hr at 1/2 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
187.5	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 4-1/2 Ft.
	4				
184.5				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1099 (Stake #5096)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1100 (Stake #5097)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **189.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
189.0	0			6 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 1/2 Ft.
188.5		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	2				
185.5	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

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



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

LOG OF TEST PIT NO. TP-1100 (Stake #5097)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1101 (Stake #5098)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **191.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
191.1	0			6 In. of Topsoil	- Infiltration rate = 0 in/hr at 1/2 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
189.1	2				- Basin Flood Test performed at 4-1/2 Ft.
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
186.1	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1101 (Stake #5098)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1102 (Stake #5099)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
 DATE COMPLETED: **10/25/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
191.3	0			12 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand and gravel [Silt Loam per USDA]	
187.3	4				- Infiltration rate = 0 in/hr at 3 Ft. - Moderate trapped water seepage at 6 Ft. - Basin Flood Test attempted at 6 Ft. Terminated due to water seepage.
	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
183.8	8				
	10			Test pit complete at 8-1/2 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1102 (Stake #5099)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1103 (Stake #5100)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **195.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
194.2	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
192.2		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
191.7	4				
189.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1103 (Stake #5100)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1104 (Stake #5101)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **196.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
195.2	0			12 in. of Topsoil	- NMC = 23.7% - Infiltration rate = 0 in/hr at 2 Ft.
		CL		Brown (7.5YR 4/4), moist, Lean CLAY with sand [Clay per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
193.2					
192.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
188.2	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1104 (Stake #5101)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1105 (Stake #5102)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **198.3 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
197.3	0			12 in. of Topsoil	- Infiltration rate = 1 in/hr at 2 Ft.
		ML		Brown (7.5YR 4/4), moist, SILT with sand and gravel [Silt Loam per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
195.3					
194.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
191.3				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1105 (Stake #5102)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1106 (Stake #5103)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **199.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
198.1	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
196.1					
195.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
192.1				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1106 (Stake #5103)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1107 (Stake #5104)

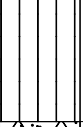
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **200.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
199.6	0			12 In. of Topsoil	- Infiltration rate = 1.5 in/hr at 1 Ft.
	2	ML		Brown (7.5YR 5/3), moist, Sandy SILT [Silt Loam per USDA]	
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
195.6	5			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

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



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 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1107 (Stake #5104)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1108 (Stake #5105)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **201.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
200.7	0			12 In. of Topsoil	- Infiltration rate = 1 in/hr at 2 Ft.
	2	ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
197.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
194.7	6			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1108 (Stake #5105)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1109 (Stake #5125)

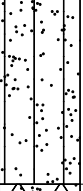
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **211.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
210.5	0			12 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
	2	SM		Red-brown (5YR 5/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
207.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
205.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1109 (Stake #5125)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1110 (Stake #5124)

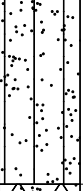
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **207.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.1	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
	2	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
203.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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 14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1110 (Stake #5124)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1111 (Stake #5123)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/15/2023**
 DATE COMPLETED: **11/15/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **187.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
187.1	0			6 In. of Topsoil	- Infiltration test attempted at 9 In.
186.6		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
		HW		Very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	2				
	4				
181.6	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1111 (Stake #5123)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1112 (Stake #5122)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/15/2023**
 DATE COMPLETED: **11/15/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **185.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
184.2	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
	2	GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	HW		Very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
179.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1112 (Stake #5122)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1113 (Stake #5035)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
181.6	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
179.4	2				- Basin Flood Test performed at 5 Ft.
		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
175.9				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1113 (Stake #5035)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1114 (Stake #5034)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
 DATE COMPLETED: **10/30/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
186.2	0			12 In. of Topsoil	
		GM		Yellow-brown (10YR 5/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
184.2	2				- Infiltration rate = 0 in/hr at 1 Ft.
		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
181.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1114 (Stake #5034)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1115 (Stake #5049)

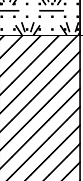
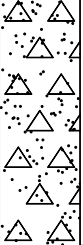
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **200.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
199.8	0			8 In. of Topsoil	
		CL		Red-brown (5YR 4/4), moist, Sandy Lean CLAY [Clay per USDA]	
197.4	2				- Infiltration rate = 0 in/hr at 1 Ft.
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
193.4	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

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



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1115 (Stake #5049)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1116 (Stake #5048)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **195.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
194.9	0			10 In. of Topsoil	
	2	SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
192.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
188.7	8			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	10				- Basin Flood Test performed at 7 Ft.
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1116 (Stake #5048)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1117 (Stake #5047)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
191.5	0			10 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 1 Ft.
		SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
189.8	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 5 Ft.
	4				
	6				
184.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1117 (Stake #5047)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1118 (Stake #5046)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

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

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
186.4	0			8 In. of Topsoil	
		SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND [Sandy Loam per USDA]	
183.0	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
	4	HW		Red-brown (5YR 4/4) and gray (7.5YR 5/1), moist, Highly-weathered ROCK (Shale)	
179.0	6				- Basin Flood Test performed at 6 Ft.
	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1118 (Stake #5046)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1119 (Stake #5045)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **182.3 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
181.7	0			8 In. of Topsoil	- Infiltration rate = 6 in/hr at 1 Ft. - NMC = 16.4%
	2	ML		Dark yellow-brown (10YR 3/4), moist, Gravelly SILT with sand [Gravelly Silt Loam per USDA]	
179.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 5 Ft.
	6				
174.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1119 (Stake #5045)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1120 (Stake #5044)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
 DATE COMPLETED: **11/7/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **195.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
194.8	0			10 In. of Topsoil	- Infiltration rate = 6 in/hr at 1 Ft.
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
193.1	2	HW		Red-brown (5YR 4/4) and gray (7.5YR 5/1), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 5 Ft.
	4				
	6				
188.6	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1120 (Stake #5044)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1121 (Stake #5036)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **180.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
179.9	0			10 In. of Topsoil	- NMC = 15.2% - Infiltration rate = 0 in/hr at 2-1/2 Ft.
		ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt per USDA]	
176.2	2			Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
173.7	6			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6-1/2 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1121 (Stake #5036)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1122 (Stake #5037)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **182.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
181.8	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
180.1	2	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 4-1/2 Ft.
	4				
177.1	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1122 (Stake #5037)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1123 (Stake #5038)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **184.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
183.6	0			10 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 1 Ft.
		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
181.9	2	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 4-1/2 Ft.
	4				
178.9	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1123 (Stake #5038)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1124 (Stake #5039)

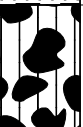
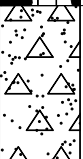
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **187.8 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
187.0	0			10 In. of Topsoil	
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
184.8	2				- Infiltration rate = 0 in/hr at 1 Ft.
	4	HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
182.3	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 5 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1124 (Stake #5039)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1125 (Stake #5040)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **189.0 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
188.2	0			10 In. of Topsoil	
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
186.0	2				- Infiltration test attempted at 1 Ft.
		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
	6				
182.0				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1125 (Stake #5040)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1126 (Stake #5041)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **190.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
189.9	0			10 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 3 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				
185.7	4				- Basin Flood Test performed at 7 Ft.
	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
183.7				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1126 (Stake #5041)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1127 (Stake #5042)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **199.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
198.5	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft. - NMC = 14.5%
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
196.2	2	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
195.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
193.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1127 (Stake #5042)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1128 (Stake #5043)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
 DATE COMPLETED: **10/31/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **193.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **VP**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
192.7	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
190.5					- Basin Flood Test performed at 6 Ft.
189.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
187.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1128 (Stake #5043)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1129 (Stake #5139)

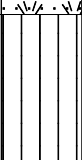
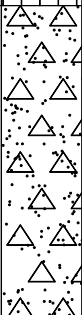
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **209.0 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
208.4	0			8 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 1 Ft.
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
206.0	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
	8				
201.0	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1129 (Stake #5139)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1130 (Stake #5138)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **207.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.8	0			8 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 2 Ft.
		ML		Brown (7.5YR 4/6), moist, Sandy SILT with gravel [Silt Loam per USDA]	
203.4	2				
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
197.4	8				
	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1130 (Stake #5138)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1131

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **212 Ft.**
 DATUM: **TOPO**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
211.2	0			10 In. of Topsoil	- Infiltration rate = 12 in/hr at 1 Ft.
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	2				
209.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
206.0	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation are approximate.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1131

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1132

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
 DATE COMPLETED: **11/13/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **210 Ft.**
 DATUM: **TOPO**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
209.2	0			10 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
		ML		Dark brown (7.5YR 3/4), moist, Sandy SILT [Silt Loam per USDA]	
	2			- with gravel at 3 Ft.	
206.0	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
204.0	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation are approximate.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1132

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1133 (Stake #5130)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **212.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
211.7	0			10 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
208.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
206.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1133 (Stake #5130)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1134 (Stake #5131)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **213.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
213.3	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
209.4	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
207.4	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1134 (Stake #5131)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1135 (Stake #5132)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **214.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
213.8	0			8 In. of Topsoil	- Offset 3 Ft. to the west and continued at TP-1135A.
				FILL - Red-brown (5YR 4/4), moist, sandy silt with bricks [Silt Loam per USDA]	
211.4	2			- with an abandoned metal pipe (possibly water line) at 2-1/2 Ft.	
				Test pit terminated at 3 Ft. due to existing utility.	
	4				
	6				
	8				
	10				
	12				
	14				
	16				
	18				

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



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LOG OF TEST PIT NO. TP-1135 (Stake #5132)

Sheet 1 of 1

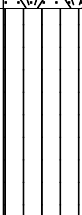
LOG OF TEST PIT NO. TP-1135A (Stake #5132) Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **214.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
213.8	0			8 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft. - NMC = 22.2%
		ML		Red-brown (5YR 4/4), moist, SILT [Silt per USDA]	
	2			- with gravel at 2-1/2 Ft.	
210.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
208.4	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1135A (Stake #5132)

LOG OF TEST PIT NO. TP-1136 (Stake #5133)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **214.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
214.1	0			6 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
				FILL - Red-brown (5YR 4/4), moist, sandy silt with gravel [Silt Loam per USDA]	
				- with concrete fragments at 1 Ft.	
	2			- with plastic and scrap metal at 2 Ft.	
210.6	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
208.6	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1136 (Stake #5133)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1137 (Stake #5134)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **213.7 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
213.1	0			8 In. of Topsoil	- Infiltration rate = 0.25 in/hr at 2 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
209.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
207.2	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1137 (Stake #5134)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1138 (Stake #5135)

Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
 DATE COMPLETED: **11/9/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **211.9 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
211.3	0			8 In. of Topsoil	- Infiltration rate = 9 in/hr at 1-1/2 Ft.
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	2				
208.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
204.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

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



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1138 (Stake #5135)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1139 (Stake #5126)

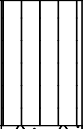
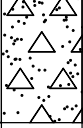
Sheet 1 of 1

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

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **206.8 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
205.8	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
	203.8	4	HW		
201.8	5			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1139 (Stake #5126)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1140 (Stake #5127)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **205.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
204.5	0			8 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 1 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
203.1	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.1	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1140 (Stake #5127)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1141 (Stake #5129)

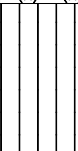
Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **201.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
201.0	0			8 In. of Topsoil	- Infiltration rate = 0 in/hr at 1 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
198.6	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
196.6					
	6			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1141 (Stake #5129)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1142 (Stake #5128)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
 DATE COMPLETED: **11/10/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **200.0 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
199.4	0			8 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
196.0	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
195.0				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1142 (Stake #5128)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1143 (Stake #5142)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
 DATE COMPLETED: **11/8/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **213.3 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
212.5	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2			- with gravel at 3 Ft.	
209.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
205.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1143 (Stake #5142)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1144 (Stake #5141)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
 DATE COMPLETED: **11/8/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **213.4 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
212.6	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2			- with gravel at 3 Ft.	
209.9	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
206.4	6				
	8			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1144 (Stake #5141)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1145 (Stake #5140)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
 DATE COMPLETED: **11/8/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **213.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
212.4	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
	2	CL		Red-brown (5YR 4/4), moist, Sandy Lean CLAY [Clay per USDA] - with gravel at 3 Ft.	
209.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
206.7	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1145 (Stake #5140)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1146 (Stake #5144)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
 DATE COMPLETED: **11/8/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **207.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.3	0			10 In. of Topsoil	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
203.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
200.1	6			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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LOG OF TEST PIT NO. TP-1146 (Stake #5144)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1147 (Stake #5143)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
 DATE COMPLETED: **11/8/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **207.1 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
206.3	0			10 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 2 Ft.
		SM		Dark yellow-brown (10YR 4/6), moist, Silty SAND [Sandy Loam per USDA]	
204.1	2				
		ML		Dark yellow-brown (10YR 3/4), moist, SILT with sand and gravel [Silt Loam per USDA]	
203.1	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
199.1	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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 14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1147 (Stake #5143)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1148 (Stake #5054)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
 DATE COMPLETED: **11/6/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **202.3 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
201.3 200.8 200.3	0			12 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 1 Ft.
		ML		Red-brown (5YR 4/4), moist, SILT with sand and gravel [Silt Loam per USDA]	
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
198.3	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1148 (Stake #5054)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1149 (Stake #5053)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
 DATE COMPLETED: **11/6/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **202.8 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
201.8 199.8 199.3	0			12 In. of Topsoil	- Infiltration rate = 0.5 in/hr at 1-1/2 Ft. - NMC = 23.0% - Basin Flood Test performed at 5 Ft.
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
195.8	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1149 (Stake #5053)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1150 (Stake #5052)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
 DATE COMPLETED: **11/6/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **200.2 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
199.2	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
	2	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
193.2	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 5 Ft. - Moderate water seepage at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



GEO-TECHNOLOGY ASSOCIATES, INC.

14 Worlds Fair Drive, Suite A
 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1150 (Stake #5052)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1151 (Stake #5051)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
 DATE COMPLETED: **11/6/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **197.6 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
196.8	0			10 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA] - with gravel at 2 Ft.	
194.6	2				- Infiltration rate = 0 in/hr at 1 Ft. - Basin Flood Test performed at 5 Ft.
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
190.6	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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LOG OF TEST PIT NO. TP-1151 (Stake #5051)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1152 (Stake #5050)

Sheet 1 of 1

PROJECT: **Venue at Hopewell**
 PROJECT LOCATION: **Hopewell Township, New Jersey**
 CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
 DATE COMPLETED: **11/6/2023**
 CONTRACTOR: **J.A. Neary Excavating**
 EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
 GROUND SURFACE ELEVATION: **197.5 Ft.**
 DATUM: **Survey**
 LOGGED BY: **AFS**
 CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
				DESCRIPTION	REMARKS
196.5	0			12 In. of Topsoil	- Infiltration rate = 0 in/hr at 2 Ft.
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
195.0	2	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
193.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 6 Ft.
	6				
190.5				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.



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 Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1152 (Stake #5050)

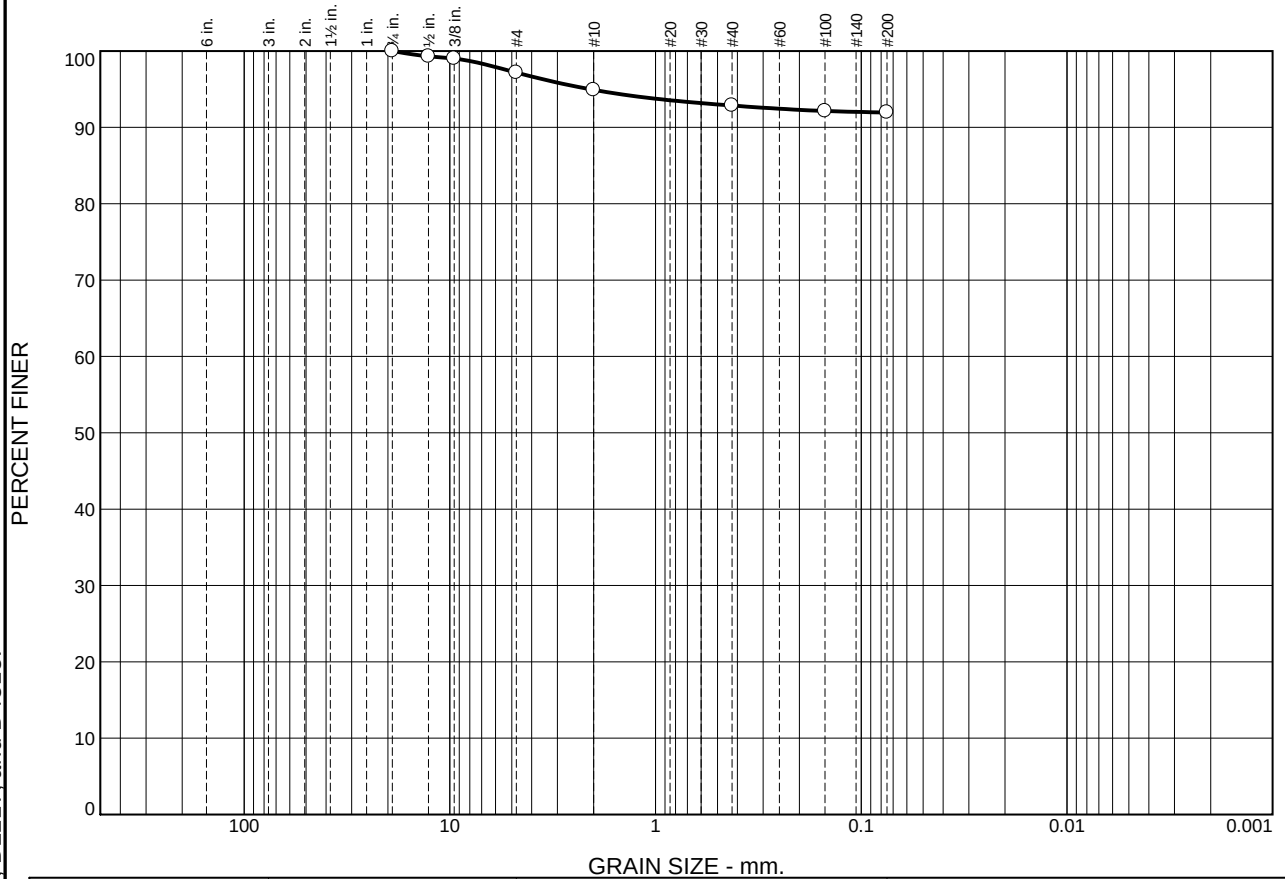
Sheet 1 of 1

APPENDIX D

Laboratory Data

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

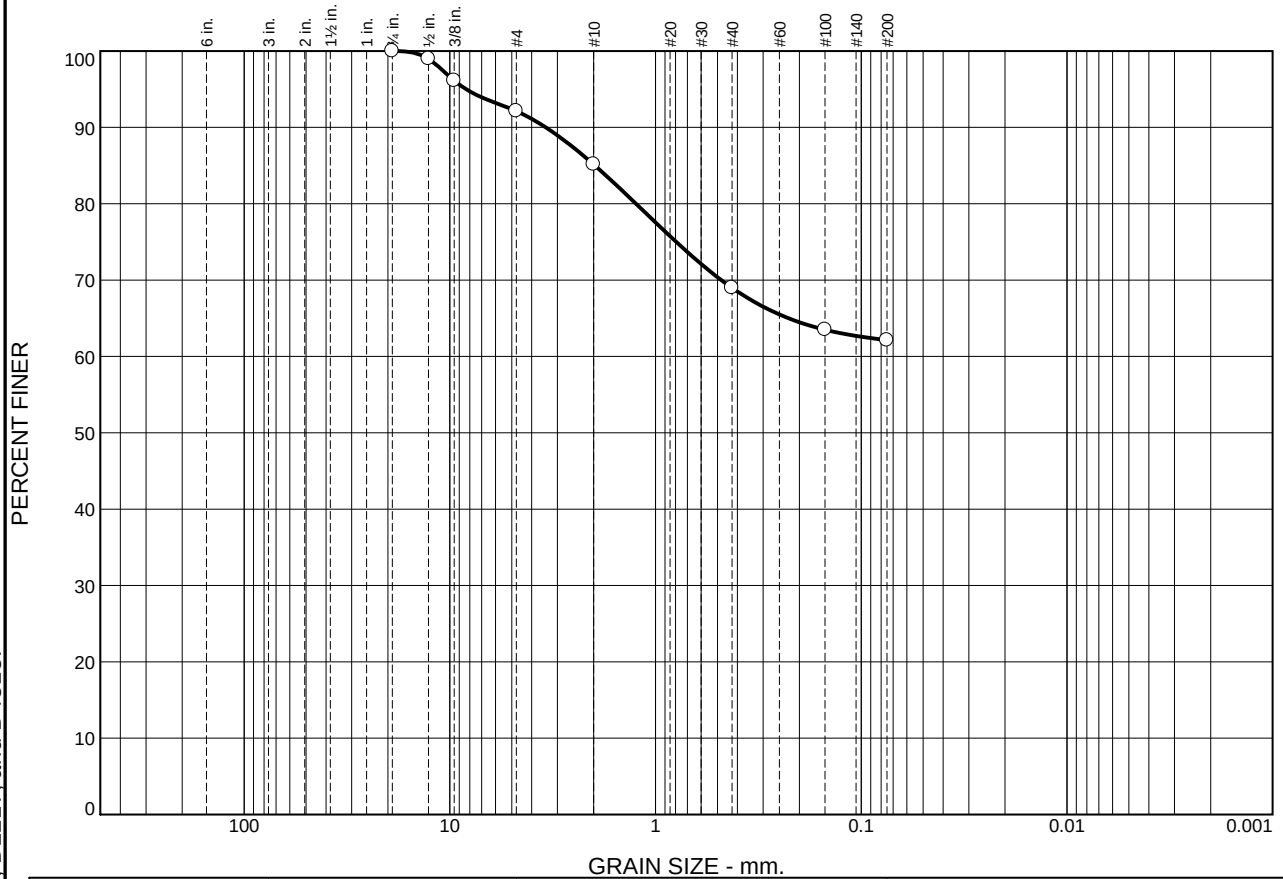
Particle Size Distribution Report



% +3"		% Gravel		% Sand			% Fines		
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay	
0.0		0.0	2.8	2.3	2.0	1.0	91.9		
LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
NV	NV								
Material Description							USCS	AASHTO	
SILT							ML	A-4(0)	
Project No. 31191132x1 Client: Lennar							Remarks: ONMC = 19.7%		
Project: Venue at Hopewell									
Source of Sample: TP-1001 (Stake #5000) Depth: 3.5									
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873							Figure		

Tested By: RR/AFS Checked By: AFS

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	7.9	7.0	16.1	6.9	62.1	

LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
NV	NV	1.9723							

Material Description							USCS	AASHTO
Sandy SILT							ML	A-4(0)

Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell Source of Sample: TP-1008 (Stake #5007) Depth: 4	Remarks: ONMC = 22.1%
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873	

Figure

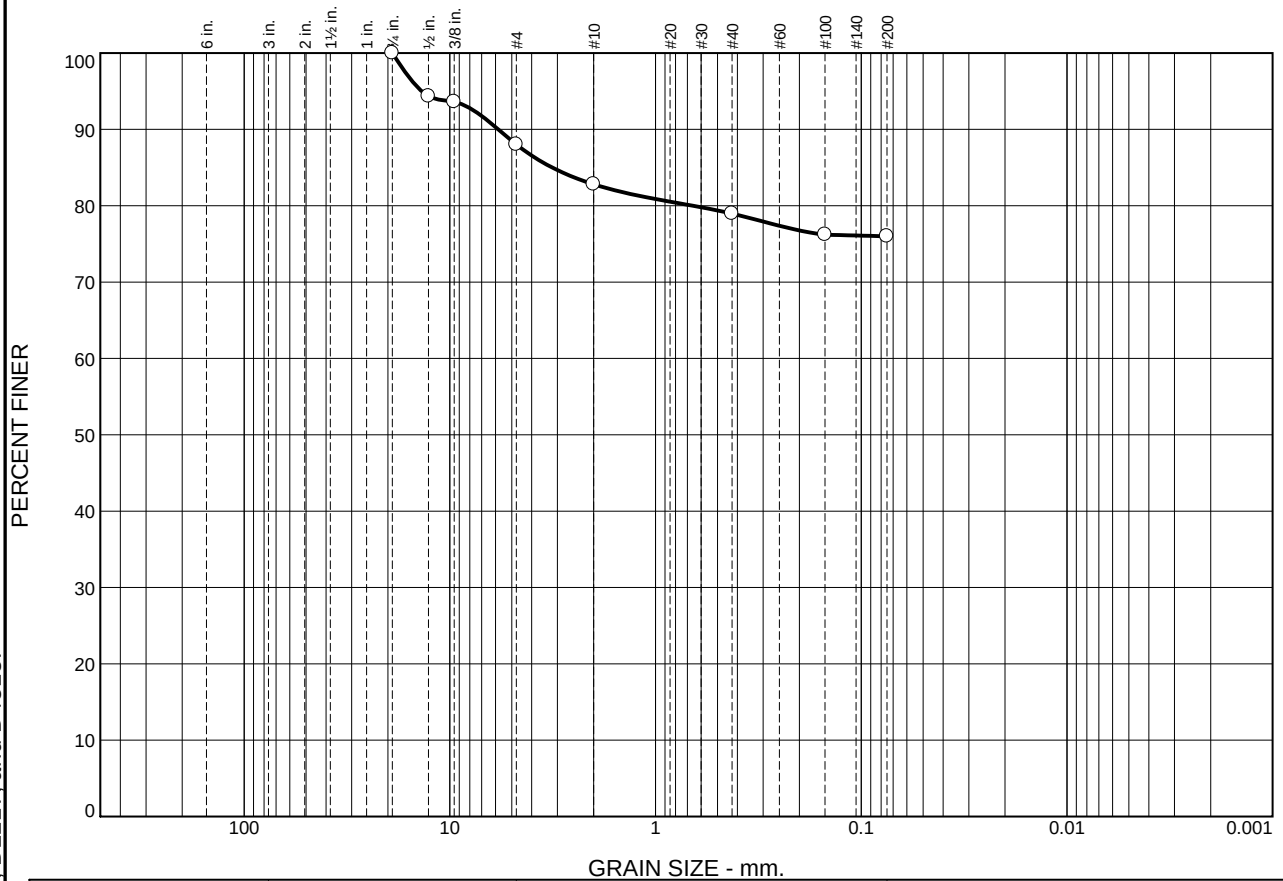
Tested By: RR/AFS

Checked By: AFS

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

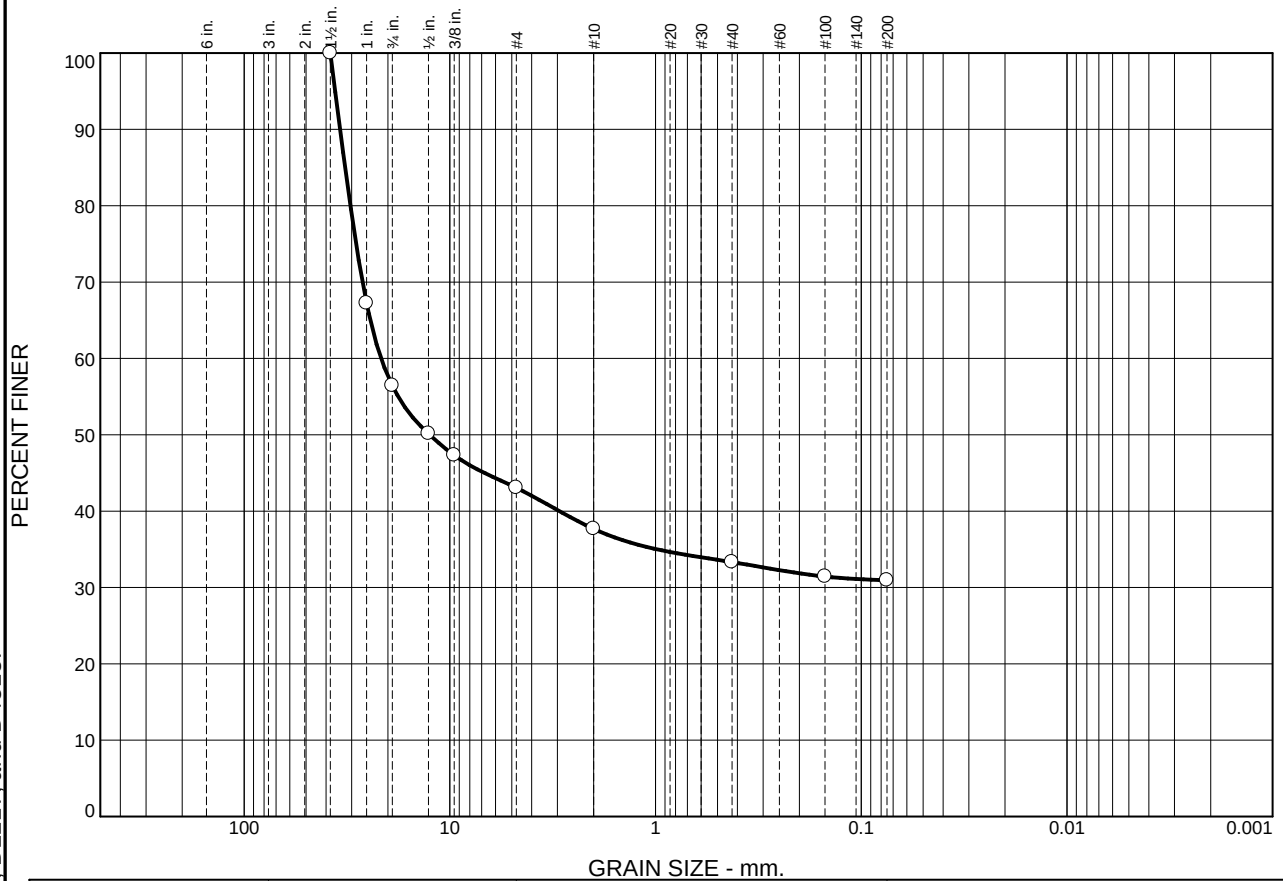
Particle Size Distribution Report



% +3"		% Gravel		% Sand			% Fines		
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay	
0.0		0.0	12.0	5.2	3.8	3.0	76.0		
LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
NV	NV	3.1768							
Material Description							USCS	AASHTO	
SILT with sand							ML	A-4(0)	
Project No. 31191132x1 Client: Lennar							Remarks: ONMC = 22.6%		
Project: Venue at Hopewell									
Source of Sample: TP-1012 (Stake #5062) Depth: 2									
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873							Figure		

Tested By: RR/AFS Checked By: AFS

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	43.5	13.4	5.4	4.4	2.4	30.9	

LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
NP	NP	32.2903	21.5948	12.5370					

Material Description							USCS	AASHTO
Silty GRAVEL							GM	A-2-4(0)

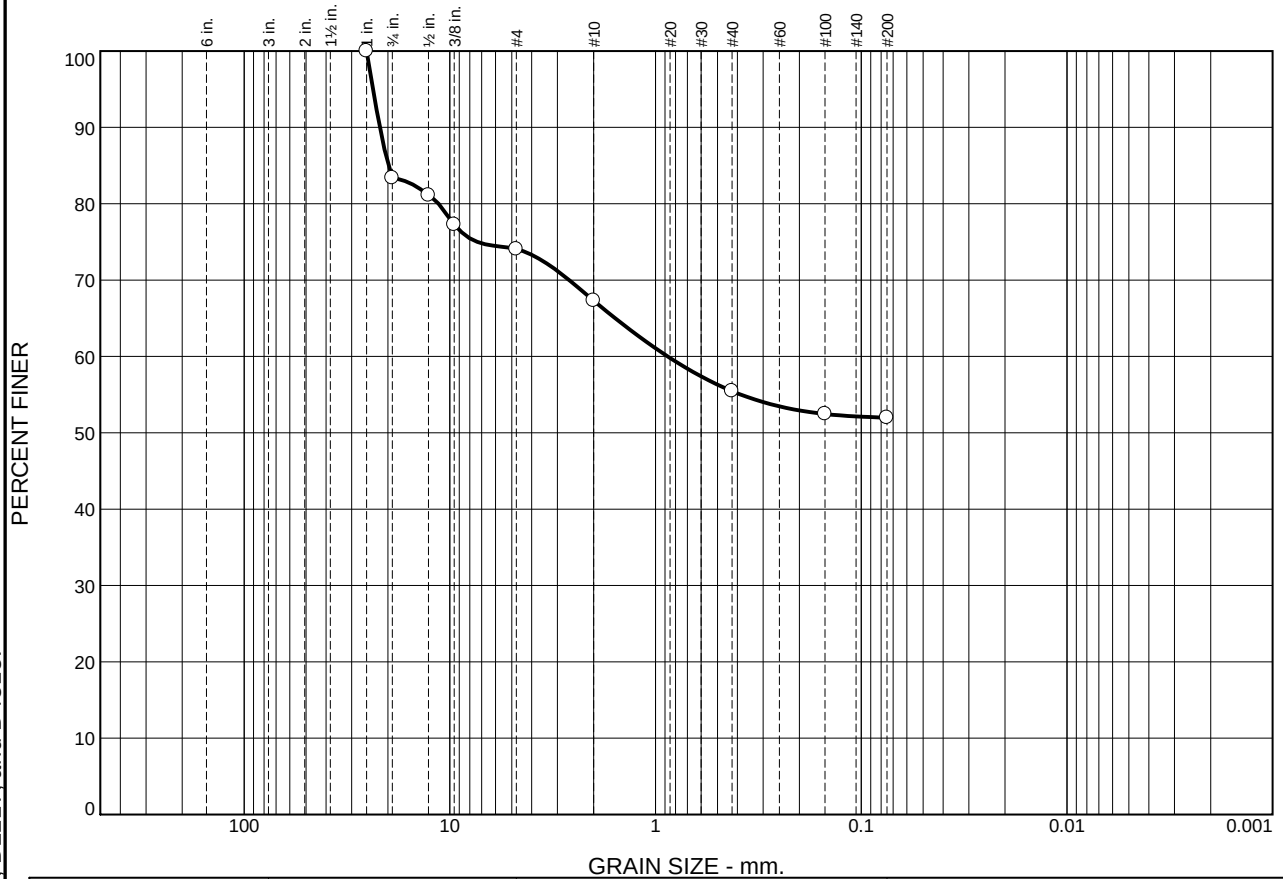
Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell Source of Sample: TP-1017 (Stake #5056) Depth: 0.5	Remarks: ONMC = 17.9% Figure
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873	

Tested By: RR/AFS

Checked By: AFS

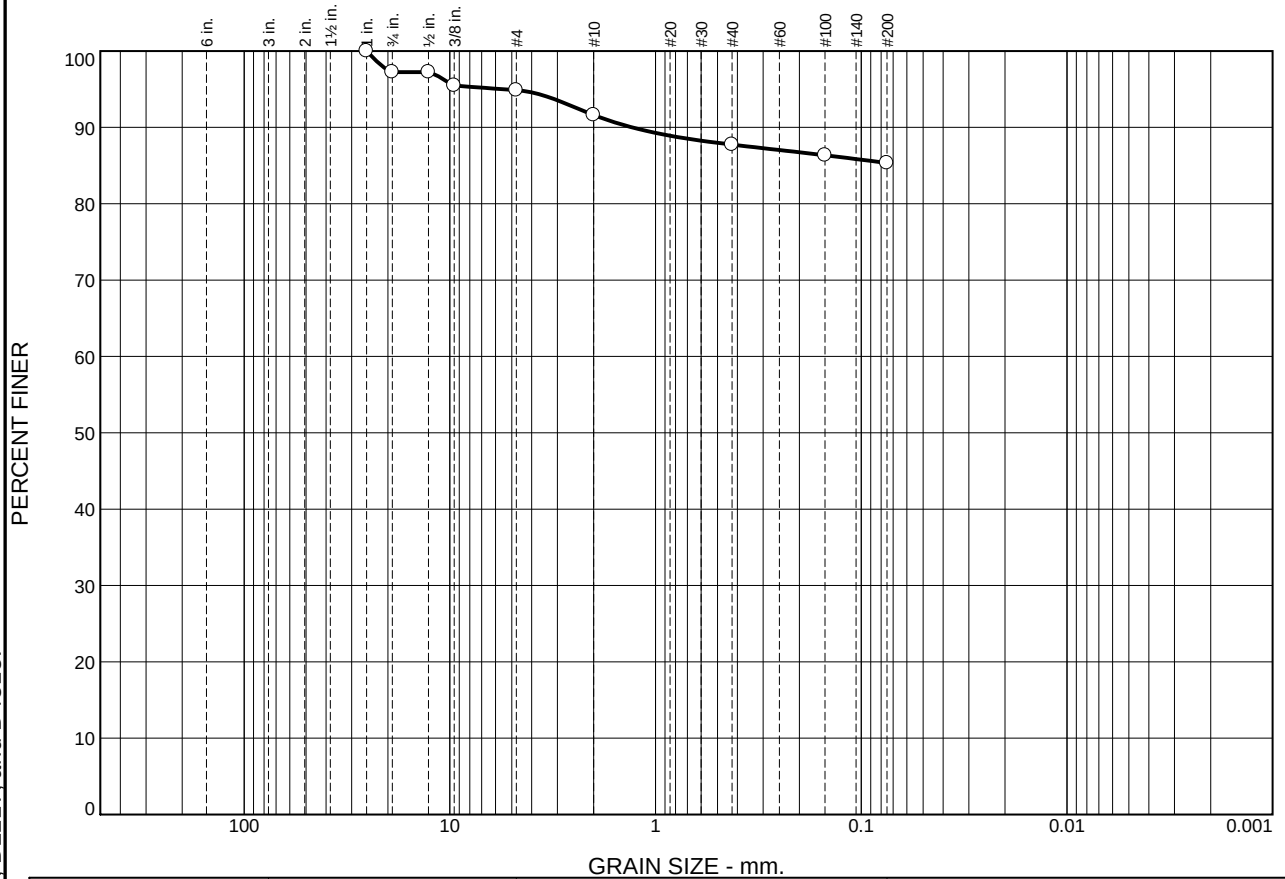
ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report



ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report



	% +3"		% Gravel		% Sand			% Fines		
			Coarse	Fine	Coarse	Medium	Fine	Silt		Clay
○	0.0		2.8	2.3	3.3	3.9	2.4	85.3		
×	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
○	NV	NV								
Material Description								USCS	AASHTO	
○ SILT								ML	A-4(0)	

Project No. 31191132x1

Client: Lennar

Project: Venue at Hopewell

Source of Sample: TP-1028 (Stake #5145)

Depth: 1



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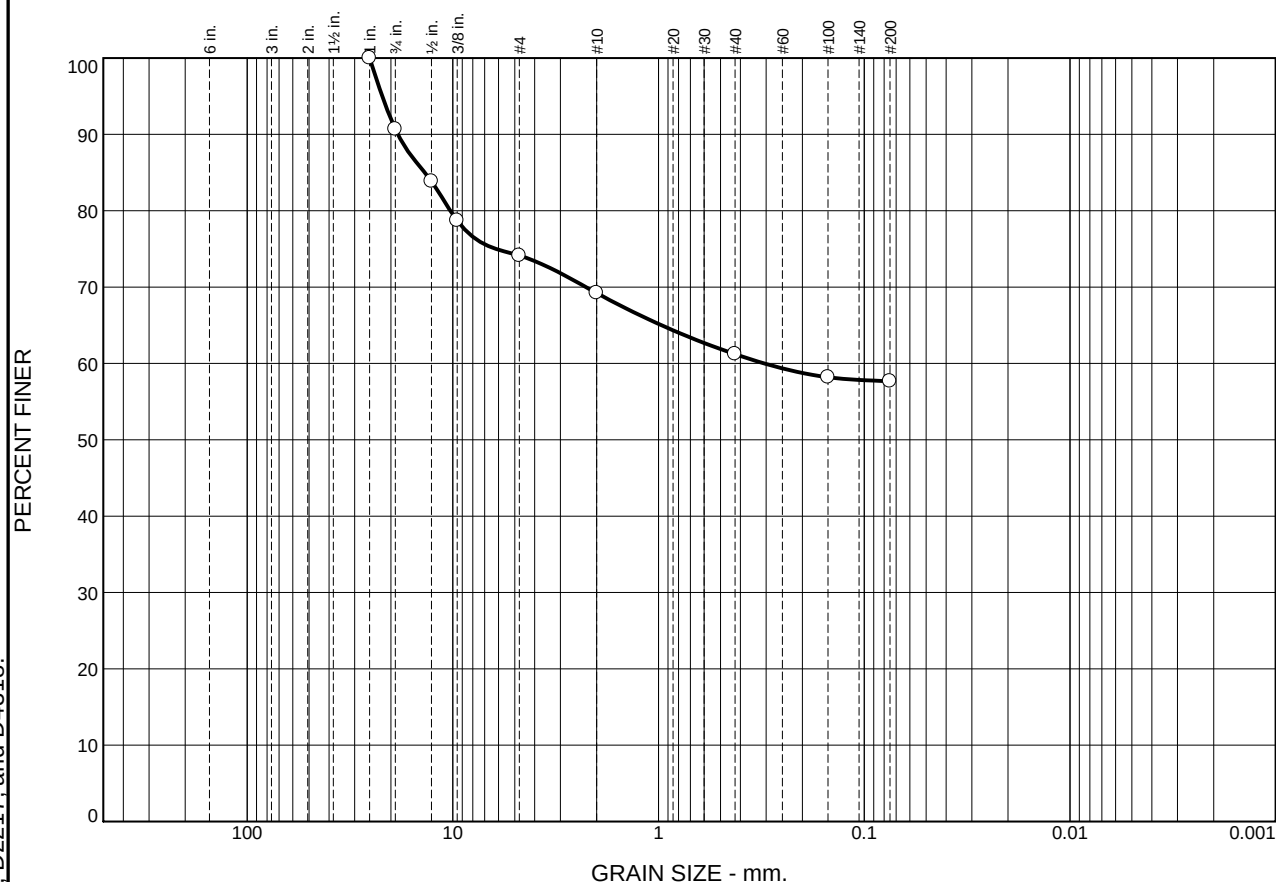
Remarks:

ONMC = 24.2%

Figure

Tested By: RR Checked By: AFS

PERCENT FINER



GRAIN SIZE - mm.											
% +3"		% Gravel		% Sand			% Fines				
		Coarse	Fine	Coarse	Medium	Fine	Silt		Clay		
0.0		9.3	16.6	4.9	8.0	3.5	57.7				
LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u		
NV	NV	13.6923	0.3063								
Material Description								USCS	AASHTO		
Gravelly SILT with sand								ML	A-4(0)		
Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell Source of Sample: TP-1037 (Stake #5021) Depth: 2.5								Remarks: ○NMC = 16.4%			
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873								Figure			

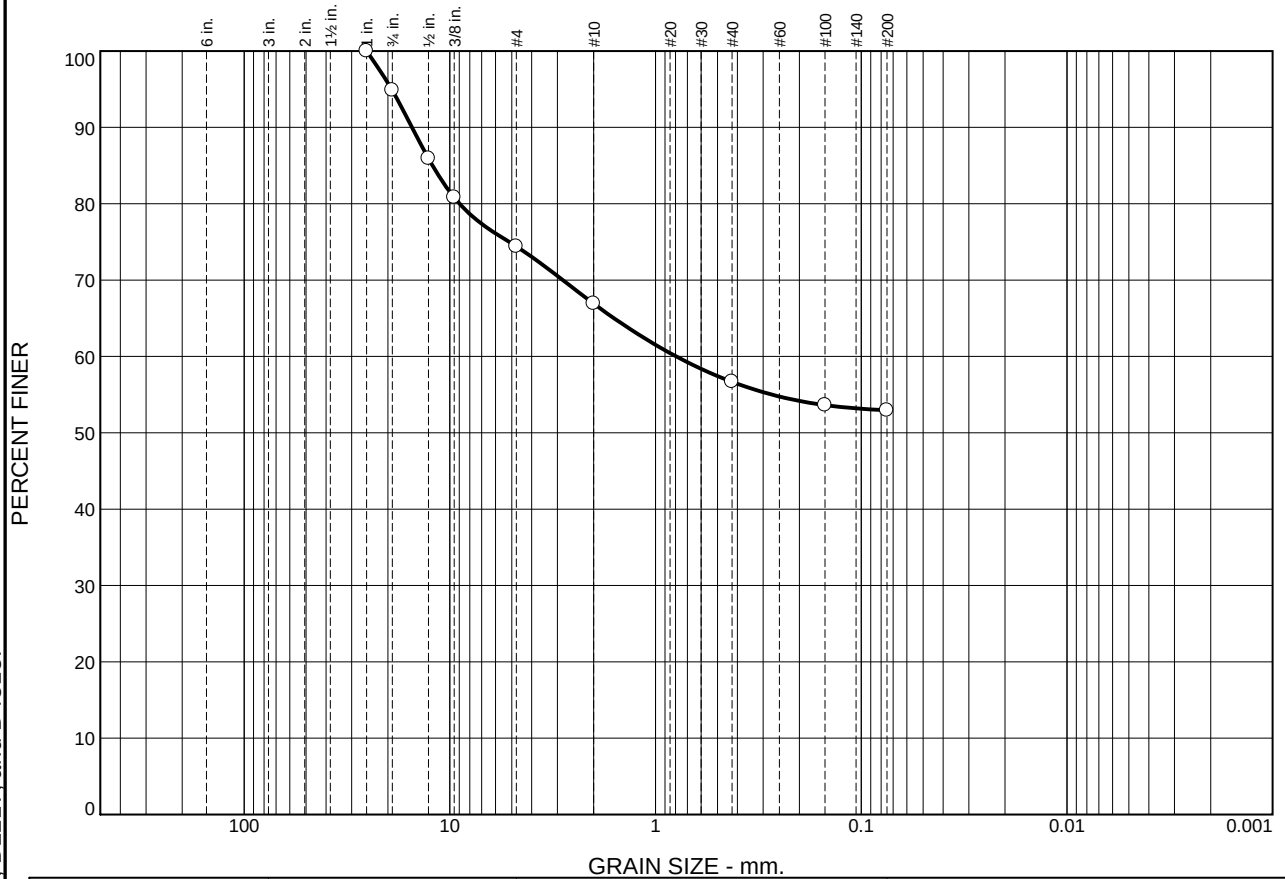
Tested By: RR **Checked By:** VP

Particle Size Distribution Report



ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report



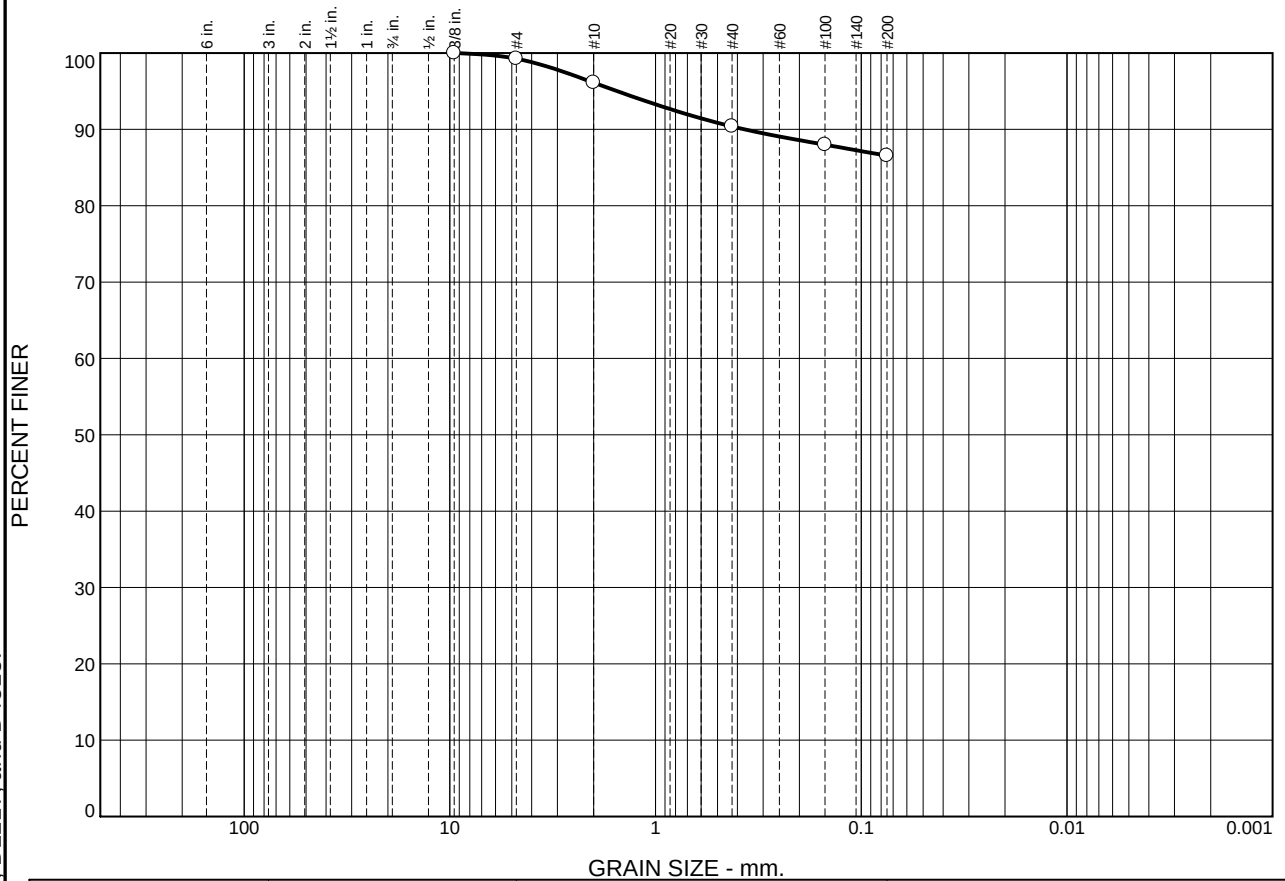
% +3"		% Gravel		% Sand			% Fines			
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
☐	0.0	5.1	20.5	7.5	10.2	3.8	52.9			
☒	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
☐	NV	NV	12.1406	0.7932						
Material Description								USCS	AASHTO	
☐ Gravelly SILT with sand								ML	A-4(0)	
Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell ☐ Source of Sample: TP-1051 (Stake #5083) Depth: 3								Remarks: ☐ ONMC = 10.0%		
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873										

Figure

Tested By: RR Checked By: VP

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

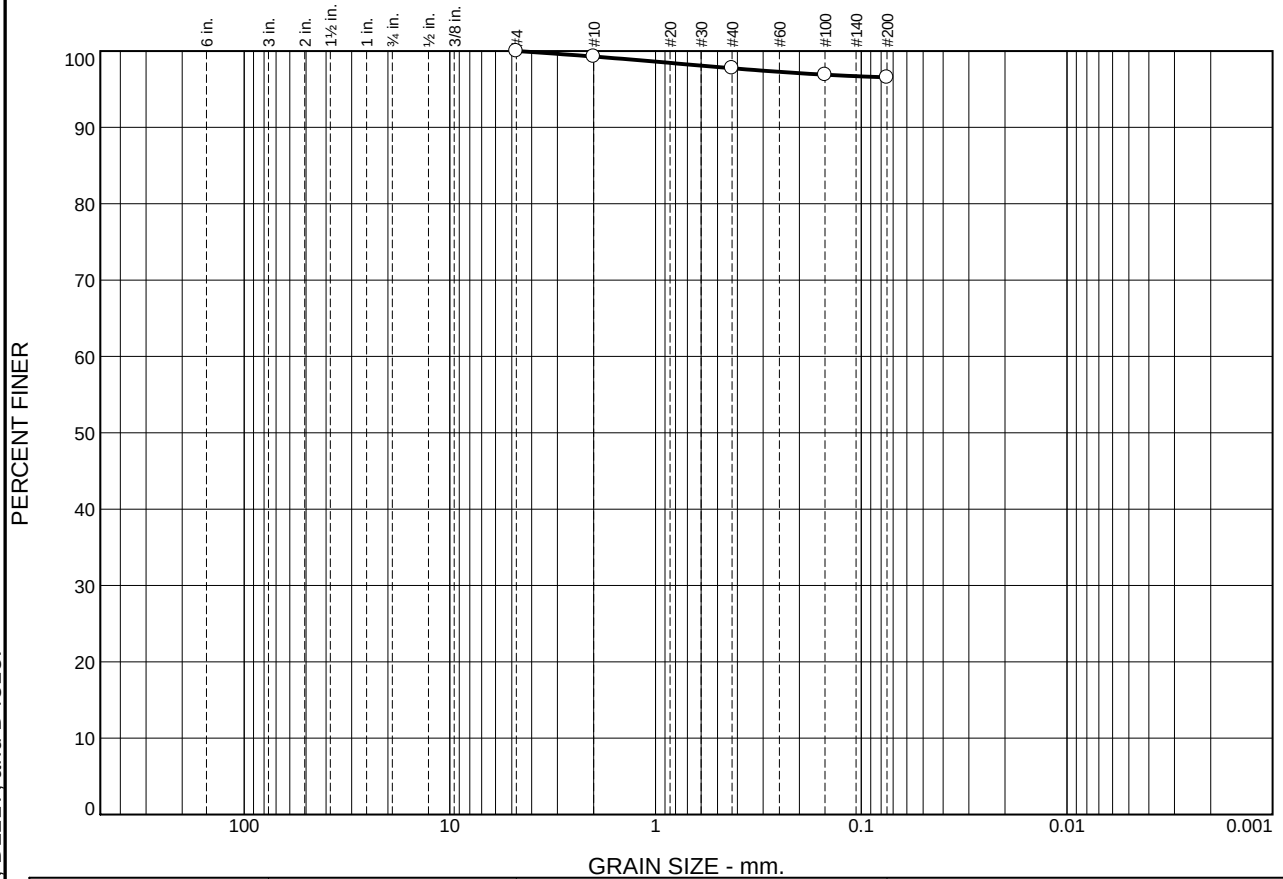
Particle Size Distribution Report



% +3"		% Gravel		% Sand			% Fines		
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay	
0.0		0.0	0.7	3.2	5.7	3.8	86.6		
LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
NV	NV								
Material Description							USCS	AASHTO	
SILT							ML	A-4(0)	
Project No. 31191132x1 Client: Lennar							Remarks: ONMC = 22.1%		
Project: Venue at Hopewell									
Source of Sample: TP-1053 (Stake #5079) Depth: 3									
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873							Figure		

Tested By: RR Checked By: AFS

Particle Size Distribution Report



	% +3"		% Gravel		% Sand			% Fines		
			Coarse	Fine	Coarse	Medium	Fine	Silt		Clay
○	0.0		0.0	0.0	0.7	1.5	1.3	96.5		
⊗	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
○	NV	NV								

Material Description							USCS	AASHTO
Lean CLAY							ML	A-4(0)

Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell Source of Sample: TP-1057 (Stake #5074) Depth: 4	Remarks: ONMC = 22.1%
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873	Figure

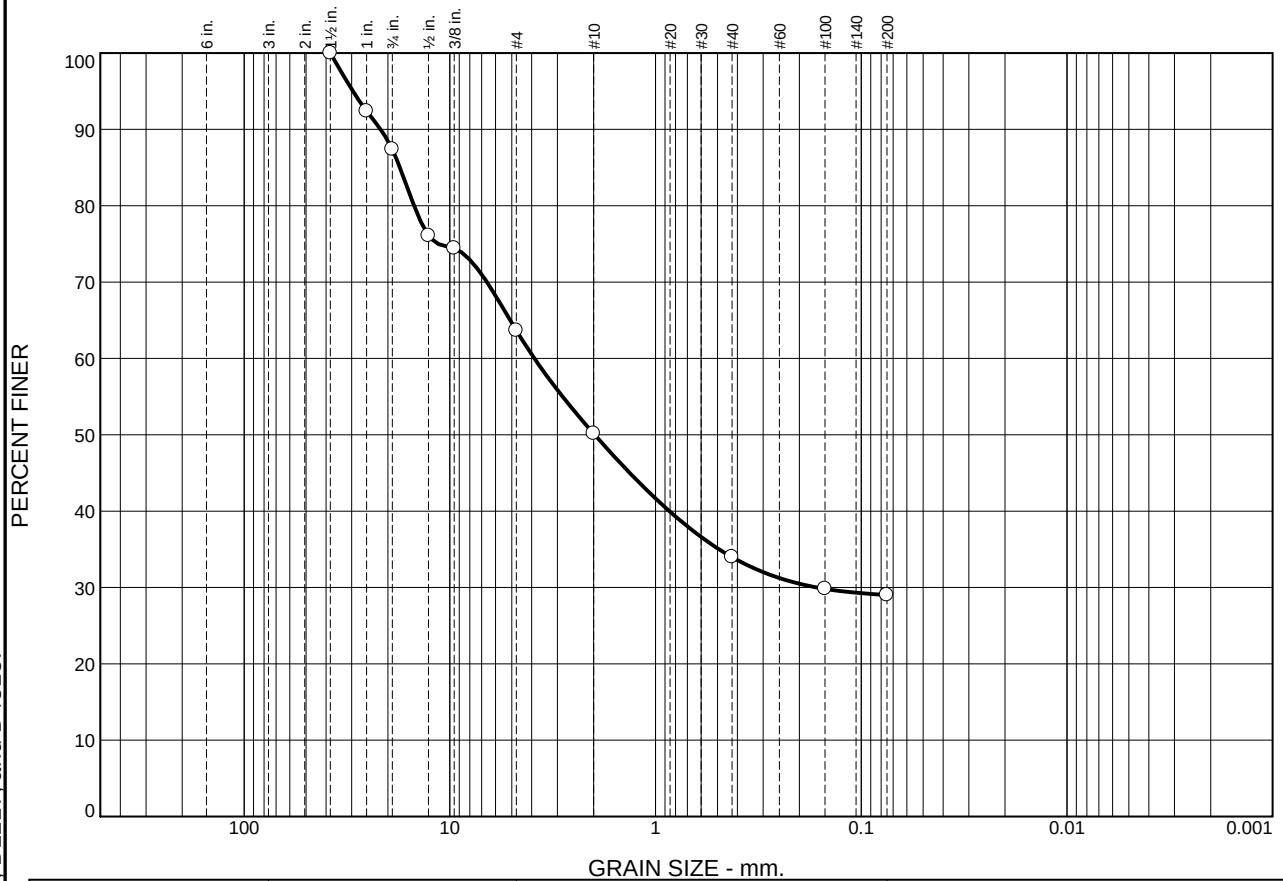
Tested By: RR/AFS

Checked By: AFS

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report

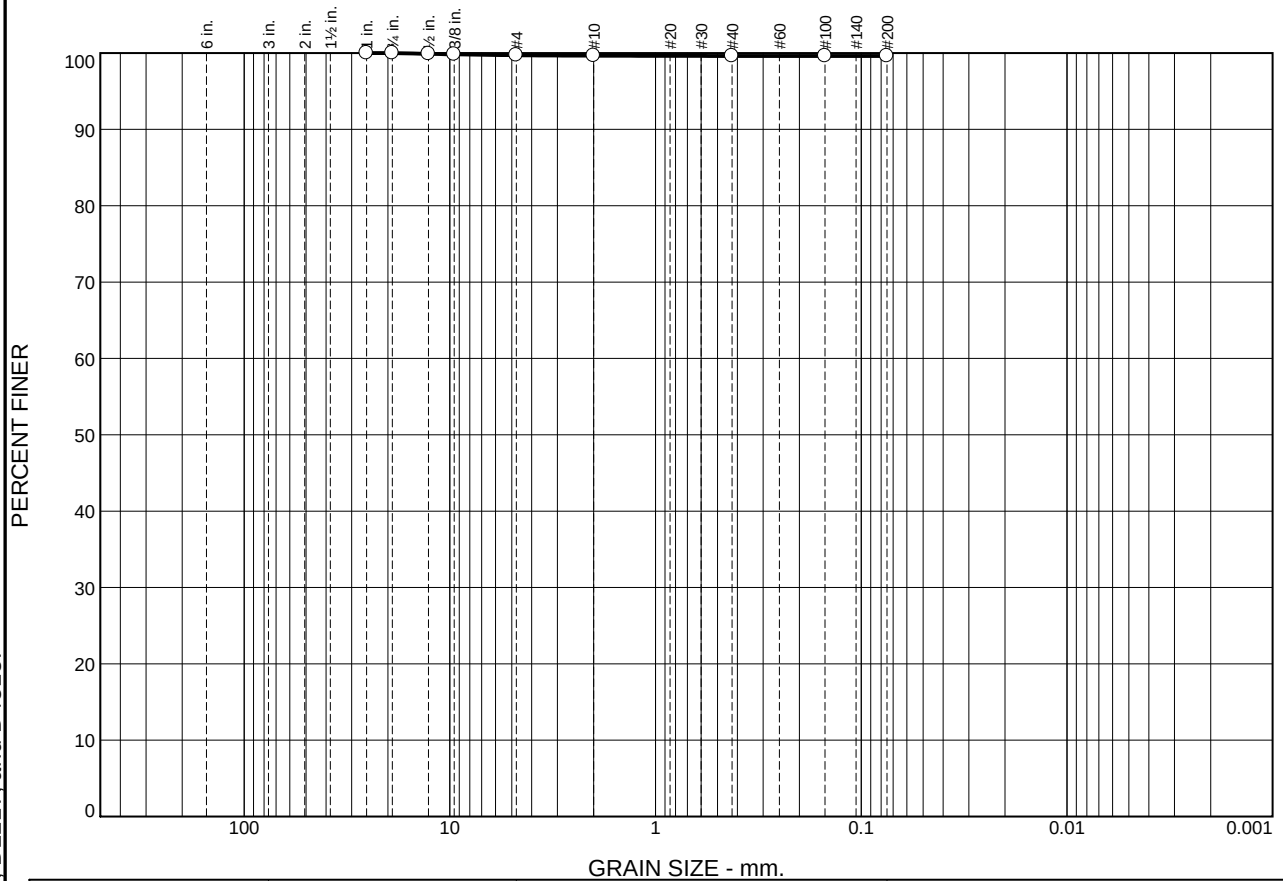


GRAIN SIZE - mm.									
% +3"	% Gravel		% Sand			% Fines		C _c	C _u
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
0.0	12.6	23.7	13.5	16.2	5.0	29.0			
LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀		
NP	NP	17.4890	3.8804	1.9764	0.1644				
Material Description							USCS	AASHTO	
Silty GRAVEL with sand							GM	A-2-4(0)	
Project No. 31191132x1 Client: Lennar							Remarks: ONMC = 16.4%		
Project: Venue at Hopewell									
Source of Sample: TP-1073 (Stake #5120) Depth: 2									
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873							Figure		

Tested By: RR Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report



	% +3"		% Gravel		% Sand			% Fines			
			Coarse	Fine	Coarse	Medium	Fine	Silt		Clay	
○	0.0		0.0	0.3	0.0	0.1	99.6				
×	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu	
○	NV	NV									
Material Description								USCS	AASHTO		
○ SILT								ML	A-4(0)		

Project No. 31191132x1

Client: Lennar

Project: Venue at Hopewell

Source of Sample: TP-1121 (Stake #5036)

Depth: 2



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Somerset, NJ 08873

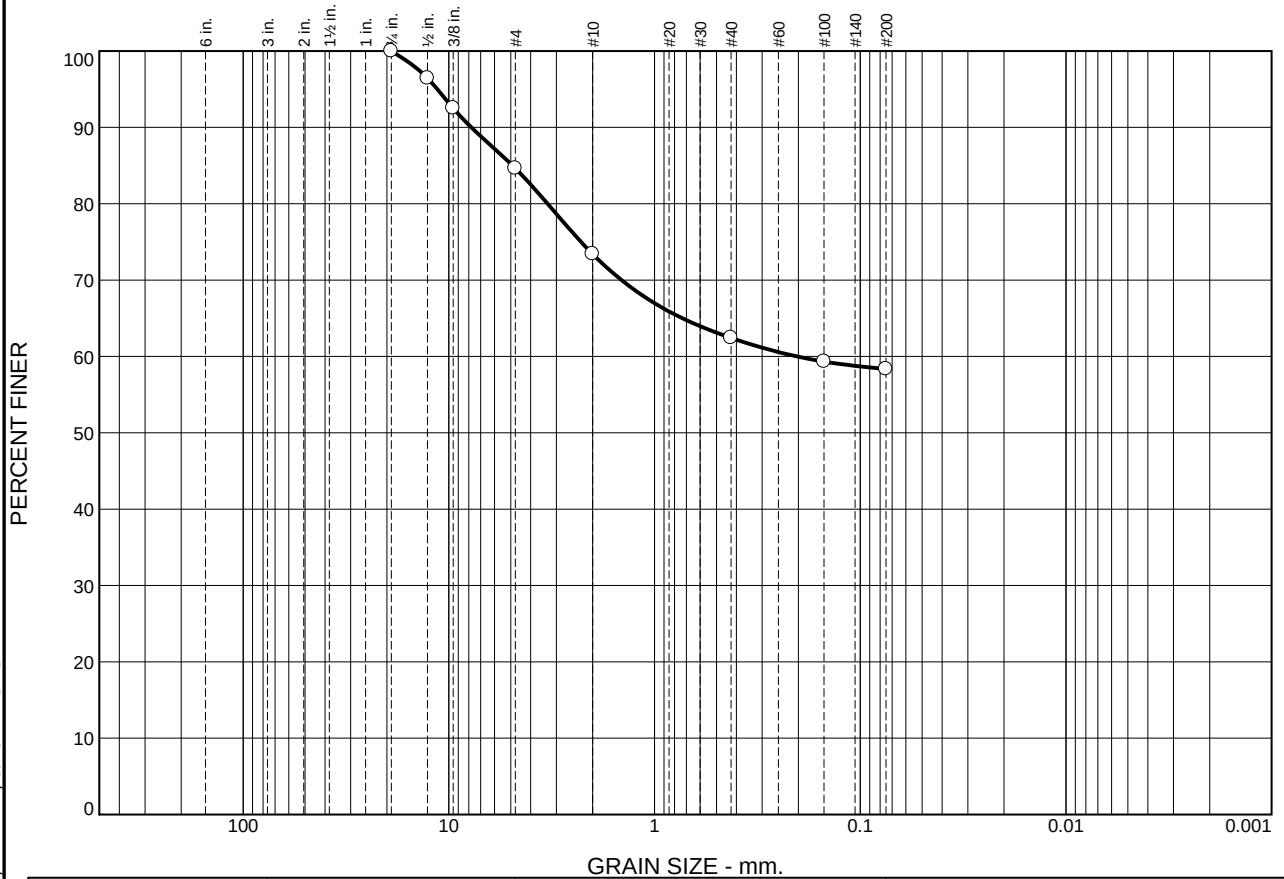
Remarks:
ONMC = 15.2%

Figure

Tested By: RR Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report



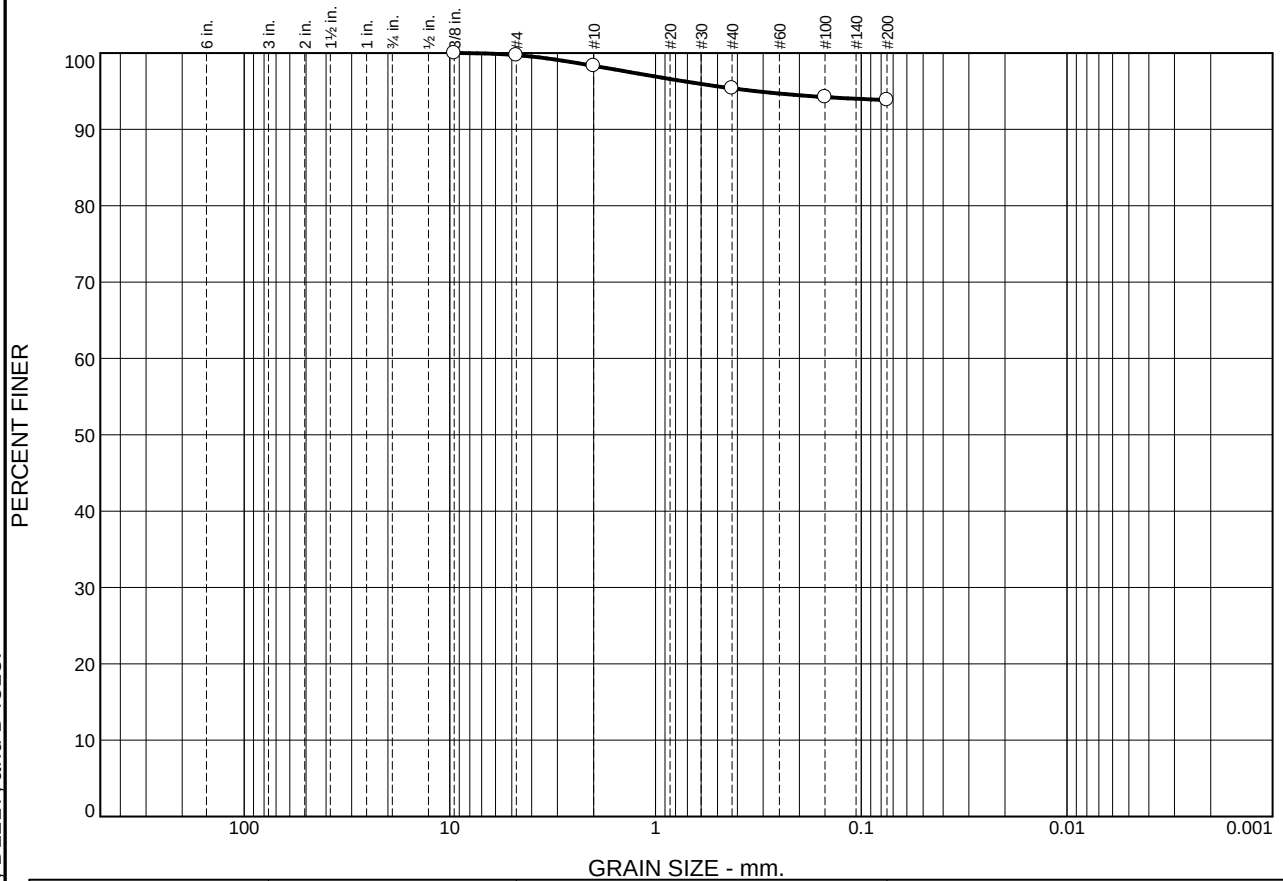
% +3"		% Gravel		% Sand			% Fines			
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
☐	0.0	0.0	15.4	11.2	11.0	4.1	58.3			
☒	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
☐	NV	NV	4.9059	0.2030						
Material Description								USCS	AASHTO	
☐ Sandy SILT with gravel								ML	A-4(0)	
Project No. 31191132x1 Client: Lennar Project: Venue at Hopewell ☐ Source of Sample: TP-1127 (Stake #5042) Depth: 2								Remarks: ONMC = 14.5%		
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873										

Figure

Tested By: RR Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report

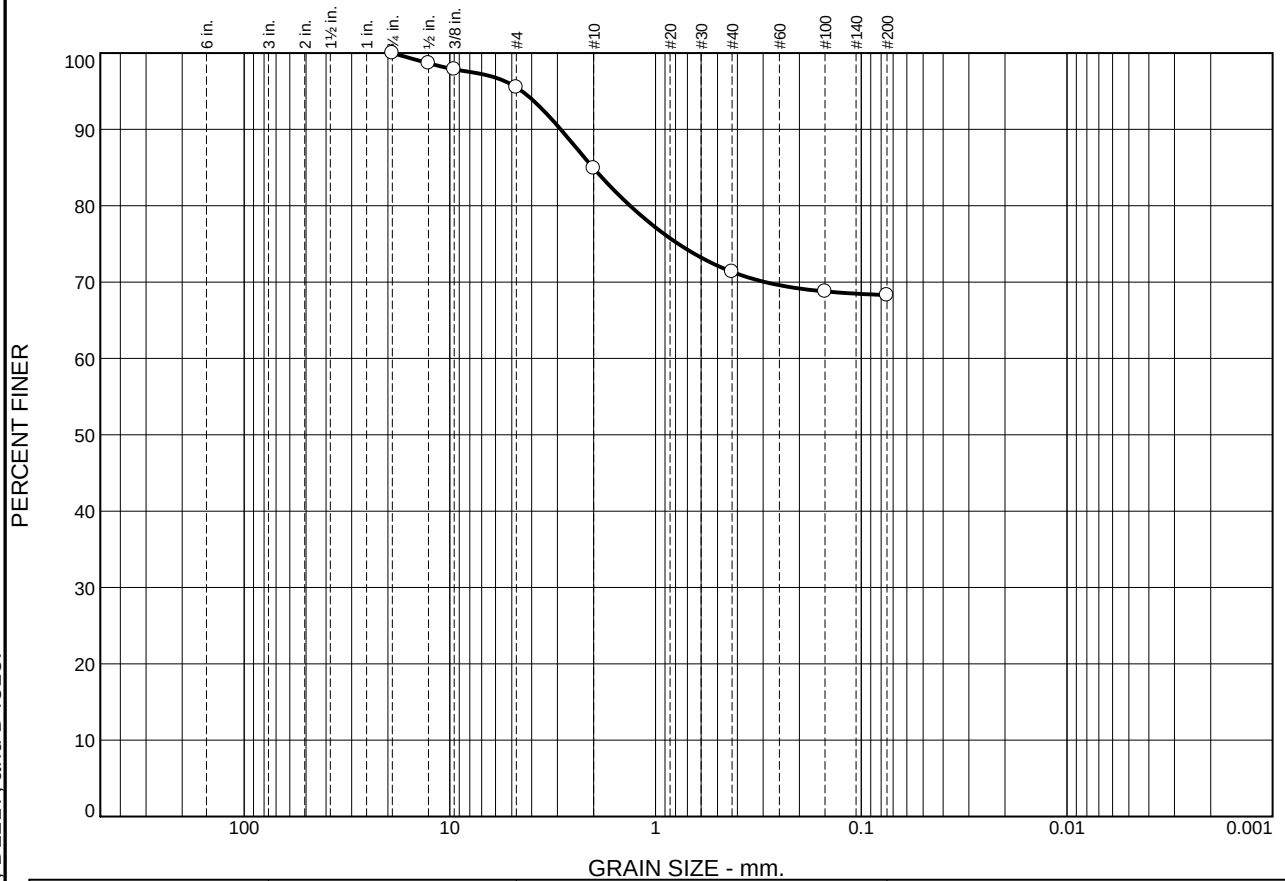


% +3"		% Gravel		% Sand			% Fines		
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay	
	0.0	0.0	0.3	1.4	2.9	1.6	93.8		
LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
32.0	23.7								
Material Description							USCS	AASHTO	
SILT							ML	A-4(8)	
Project No. 31191132x1 Client: Lennar							Remarks: ONMC = 22.2%		
Project: Venue at Hopewell									
Source of Sample: TP-1135A (Stake #5132) Depth: 2									
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873							Figure		

Tested By: RR Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

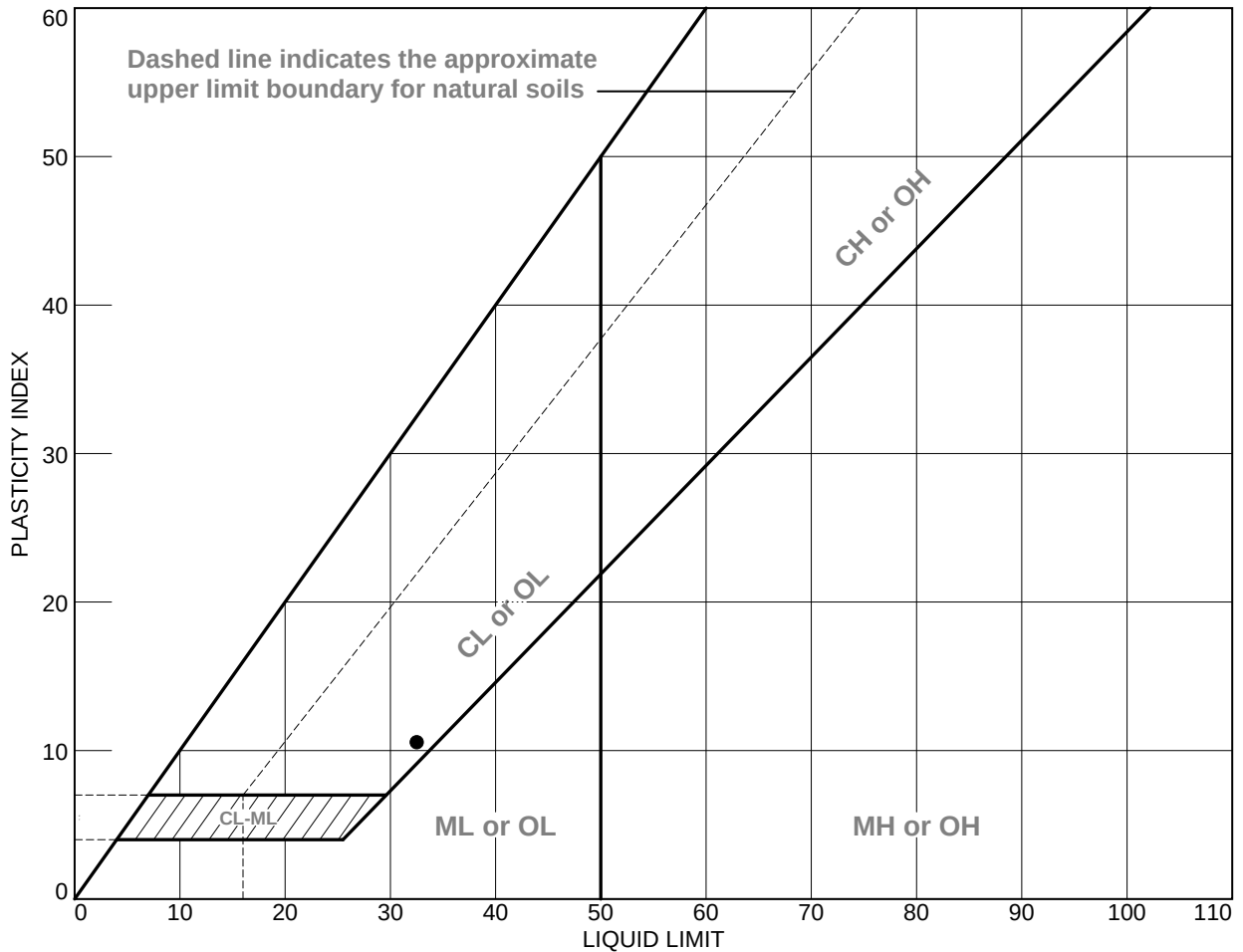
Particle Size Distribution Report



% +3"		% Gravel		% Sand			% Fines			
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
☐	0.0	0.0	4.5	10.6	13.6	3.0	68.3			
☒	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
☐	NV	NV	2.0132							
Material Description								USCS	AASHTO	
☐ Sandy SILT								ML	A-4(0)	
Project No. 31191132x1 Client: Lennar								Remarks: ONMC = 23.0%		
Project: Venue at Hopewell										
☐ Source of Sample: TP-1149 (Stake #5053) Depth: 1.5										
 GEO-TECHNOLOGY ASSOCIATES, INC. 14 Worlds Fair Drive, Suite A Somerset, NJ 08873								Figure		

Tested By: RR Checked By: AMT

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1086 (Stake #5110)		2	20.3	22.1	32.6	10.5	CL



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Somerset, NJ 08873

Client: Lennar
Project: Venue at Hopewell

Project No.: 31191132x1

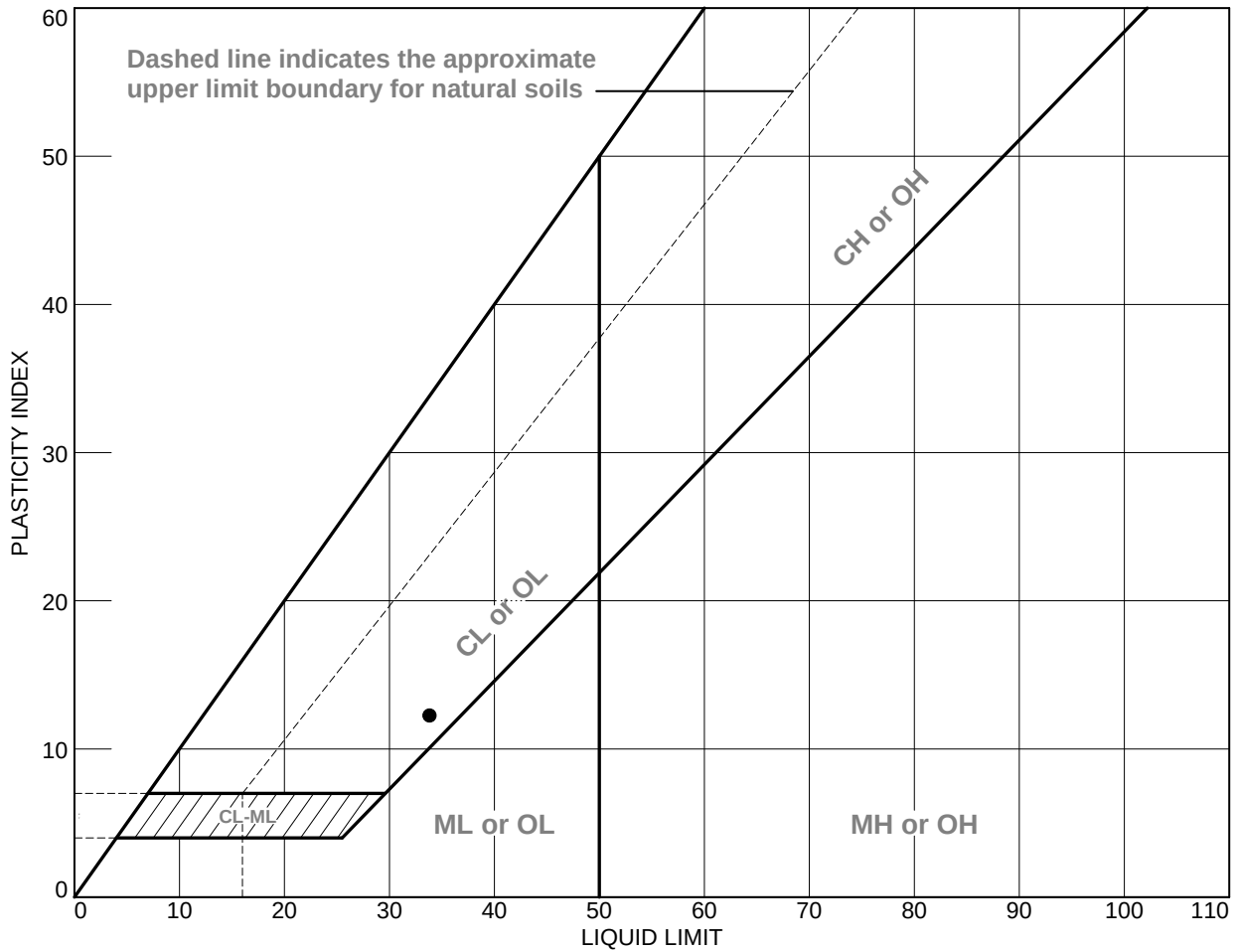
Figure

Tested By: RR

Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1104 (Stake #5101)		1	23.7	21.7	33.9	12.2	CL



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Somerset, NJ 08873

Client: Lennar
Project: Venue at Hopewell

Project No.: 31191132x1

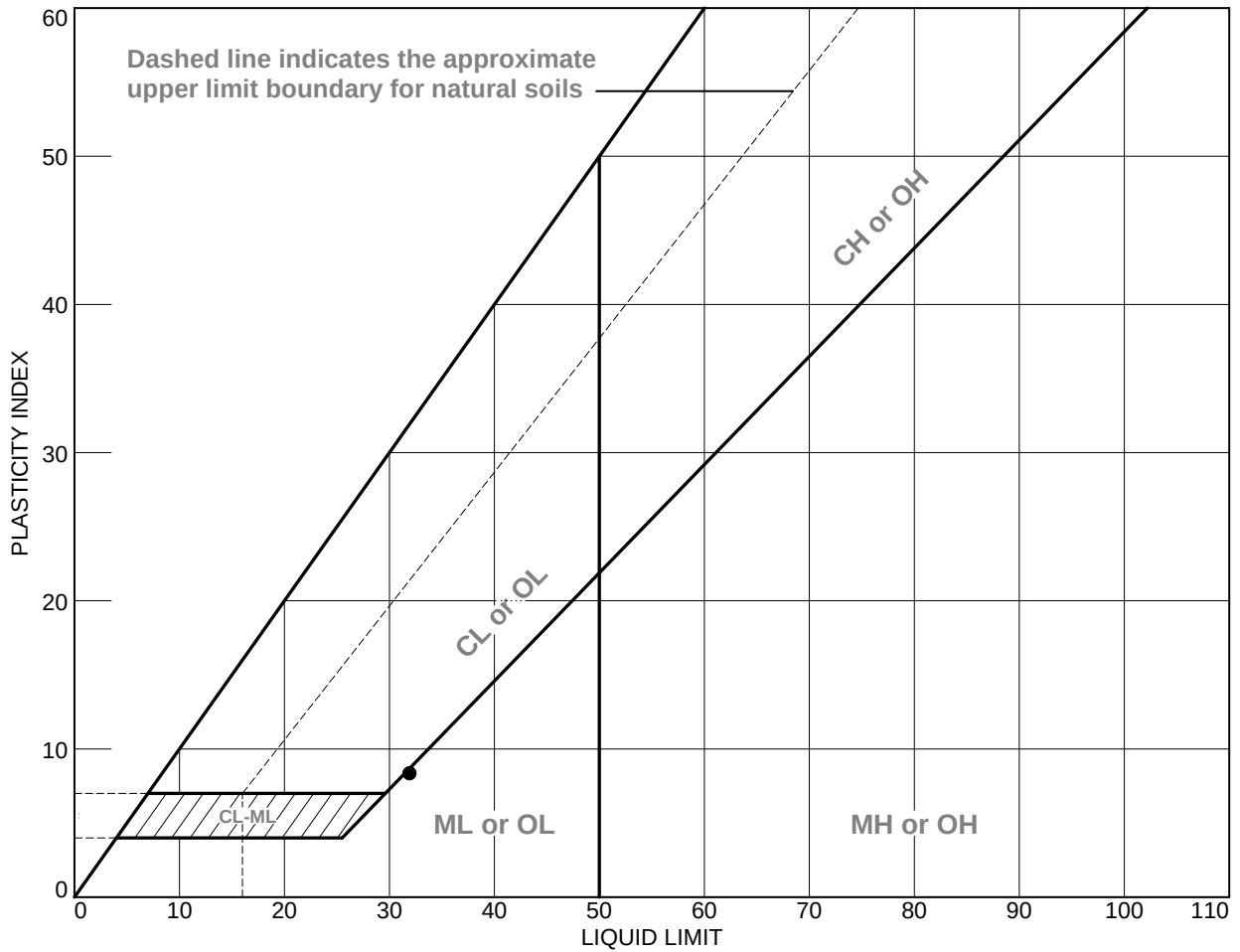
Figure

Tested By: RR

Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1135A (Stake #5132)		2	22.2	23.7	32.0	8.3	ML



GEO-TECHNOLOGY ASSOCIATES, INC.
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Somerset, NJ 08873

Client: Lennar
Project: Venue at Hopewell

Project No.: 31191132x1

Figure

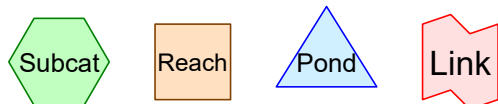
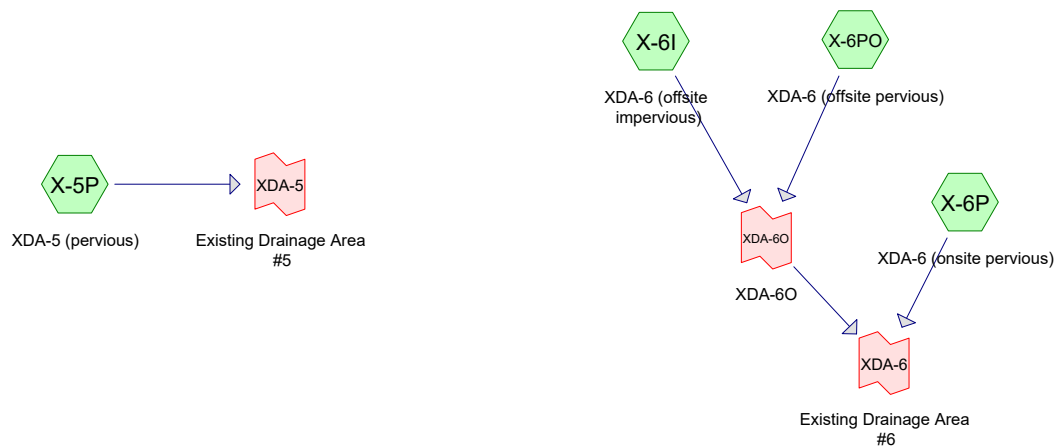
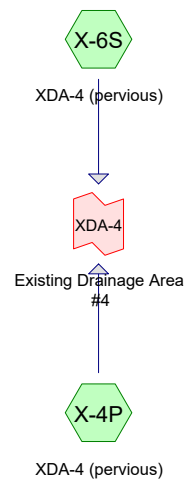
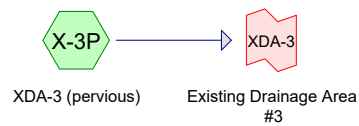
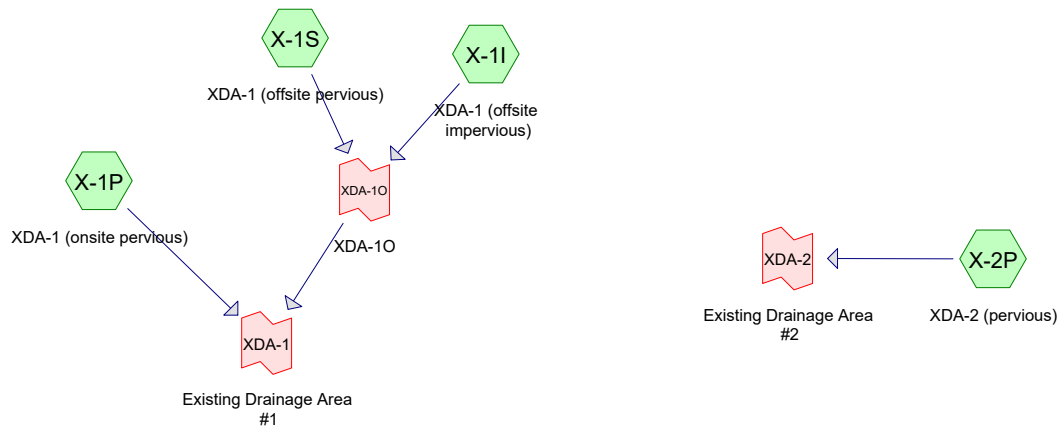
Tested By: AFS

Checked By: AMT

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

APPENDIX 2

TR-55 CALCULATIONS – EXISTING CONDITIONS



2025-07-14 Existing - Offsite Split- 081391

Prepared by Bowman Consulting Group

Printed 8/17/2025

HydroCAD® 10.20-7a s/n 09435 © 2025 HydroCAD Software Solutions LLC

Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.760	98	(X-6I)
3.220	61	>75% Grass cover, Good, HSG B (X-1P)
12.562	74	>75% Grass cover, Good, HSG C (X-1S)
4.536	92	Paved roads w/open ditches, 50% imp, HSG C (X-1I)
0.367	98	Roofs (X-1I)
49.180	71	Row crops, C&T, Good, HSG B (X-1P, X-2P, X-3P, X-4P, X-5P, X-6P, X-6PO)
69.360	78	Row crops, C&T, Good, HSG C (X-1P, X-2P, X-3P, X-4P, X-5P, X-6P, X-6PO)
2.430	81	Row crops, C&T, Good, HSG D (X-1P, X-2P, X-6P)
50.850	55	Woods, Good, HSG B (X-1P, X-1S, X-4P, X-6P, X-6PO, X-6S)
44.080	70	Woods, Good, HSG C (X-1P, X-1S, X-3P, X-4P, X-6P, X-6PO, X-6S)
12.354	77	Woods, Good, HSG D (X-1P, X-1S, X-4P, X-6P, X-6PO)
249.699	70	TOTAL AREA

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 8.03 cfs @ 1.15 hrs, Volume= 0.243 af, Depth= 0.60"
Routed to Link XDA-1O : XDA-1O

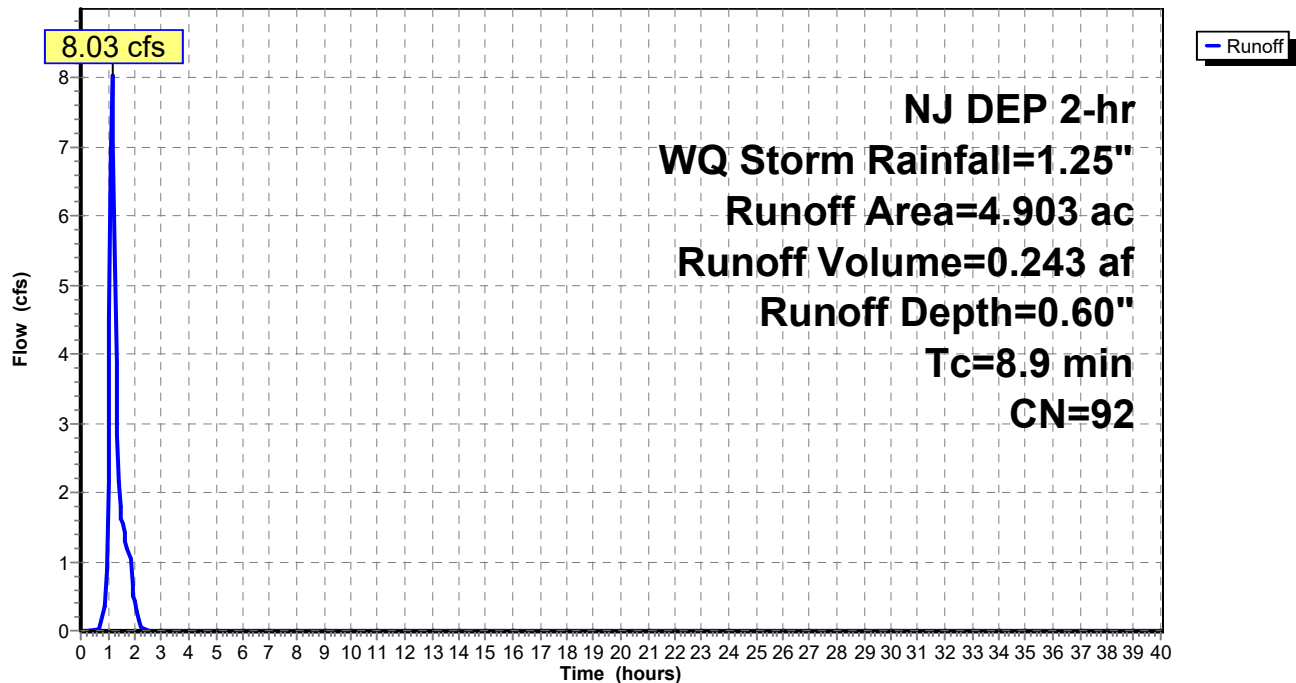
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.60	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.60	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.60	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.60	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.60	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.60	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.60	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.60	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.60	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.60	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.60	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.60	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.60	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.60	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.60	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.60	0.00
0.80	0.23	0.00	0.03	3.40	1.25	0.60	0.00
0.85	0.28	0.01	0.13	3.45	1.25	0.60	0.00
0.90	0.34	0.03	0.36	3.50	1.25	0.60	0.00
0.95	0.46	0.07	0.86	3.55	1.25	0.60	0.00
1.00	0.63	0.15	2.16	3.60	1.25	0.60	0.00
1.05	0.79	0.25	4.52	3.65	1.25	0.60	0.00
1.10	0.91	0.34	6.91	3.70	1.25	0.60	0.00
1.15	0.97	0.38	8.03	3.75	1.25	0.60	0.00
1.20	1.02	0.41	7.02	3.80	1.25	0.60	0.00
1.25	1.05	0.44	5.26	3.85	1.25	0.60	0.00
1.30	1.07	0.46	3.87	3.90	1.25	0.60	0.00
1.35	1.09	0.47	2.84	3.95	1.25	0.60	0.00
1.40	1.11	0.49	2.15	4.00	1.25	0.60	0.00
1.45	1.13	0.50	1.79	4.05	1.25	0.60	0.00
1.50	1.15	0.52	1.62	4.10	1.25	0.60	0.00
1.55	1.17	0.53	1.54	4.15	1.25	0.60	0.00
1.60	1.18	0.54	1.42	4.20	1.25	0.60	0.00
1.65	1.20	0.55	1.29	4.25	1.25	0.60	0.00
1.70	1.21	0.56	1.22	4.30	1.25	0.60	0.00
1.75	1.23	0.58	1.19	4.35	1.25	0.60	0.00
1.80	1.23	0.58	1.14	4.40	1.25	0.60	0.00
1.85	1.24	0.58	0.93	4.45	1.25	0.60	0.00
1.90	1.24	0.59	0.67	4.50	1.25	0.60	0.00
1.95	1.25	0.59	0.51	4.55	1.25	0.60	0.00
2.00	1.25	0.60	0.45	4.60	1.25	0.60	0.00
2.05	1.25	0.60	0.40	4.65	1.25	0.60	0.00
2.10	1.25	0.60	0.28	4.70	1.25	0.60	0.00
2.15	1.25	0.60	0.14	4.75	1.25	0.60	0.00
2.20	1.25	0.60	0.06	4.80	1.25	0.60	0.00
2.25	1.25	0.60	0.03	4.85	1.25	0.60	0.00
2.30	1.25	0.60	0.01	4.90	1.25	0.60	0.00
2.35	1.25	0.60	0.00	4.95	1.25	0.60	0.00
2.40	1.25	0.60	0.00	5.00	1.25	0.60	0.00
2.45	1.25	0.60	0.00	5.05	1.25	0.60	0.00
2.50	1.25	0.60	0.00	5.10	1.25	0.60	0.00
2.55	1.25	0.60	0.00	5.15	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.60	0.00	7.80	1.25	0.60	0.00
5.25	1.25	0.60	0.00	7.85	1.25	0.60	0.00
5.30	1.25	0.60	0.00	7.90	1.25	0.60	0.00
5.35	1.25	0.60	0.00	7.95	1.25	0.60	0.00
5.40	1.25	0.60	0.00	8.00	1.25	0.60	0.00
5.45	1.25	0.60	0.00	8.05	1.25	0.60	0.00
5.50	1.25	0.60	0.00	8.10	1.25	0.60	0.00
5.55	1.25	0.60	0.00	8.15	1.25	0.60	0.00
5.60	1.25	0.60	0.00	8.20	1.25	0.60	0.00
5.65	1.25	0.60	0.00	8.25	1.25	0.60	0.00
5.70	1.25	0.60	0.00	8.30	1.25	0.60	0.00
5.75	1.25	0.60	0.00	8.35	1.25	0.60	0.00
5.80	1.25	0.60	0.00	8.40	1.25	0.60	0.00
5.85	1.25	0.60	0.00	8.45	1.25	0.60	0.00
5.90	1.25	0.60	0.00	8.50	1.25	0.60	0.00
5.95	1.25	0.60	0.00	8.55	1.25	0.60	0.00
6.00	1.25	0.60	0.00	8.60	1.25	0.60	0.00
6.05	1.25	0.60	0.00	8.65	1.25	0.60	0.00
6.10	1.25	0.60	0.00	8.70	1.25	0.60	0.00
6.15	1.25	0.60	0.00	8.75	1.25	0.60	0.00
6.20	1.25	0.60	0.00	8.80	1.25	0.60	0.00
6.25	1.25	0.60	0.00	8.85	1.25	0.60	0.00
6.30	1.25	0.60	0.00	8.90	1.25	0.60	0.00
6.35	1.25	0.60	0.00	8.95	1.25	0.60	0.00
6.40	1.25	0.60	0.00	9.00	1.25	0.60	0.00
6.45	1.25	0.60	0.00	9.05	1.25	0.60	0.00
6.50	1.25	0.60	0.00	9.10	1.25	0.60	0.00
6.55	1.25	0.60	0.00	9.15	1.25	0.60	0.00
6.60	1.25	0.60	0.00	9.20	1.25	0.60	0.00
6.65	1.25	0.60	0.00	9.25	1.25	0.60	0.00
6.70	1.25	0.60	0.00	9.30	1.25	0.60	0.00
6.75	1.25	0.60	0.00	9.35	1.25	0.60	0.00
6.80	1.25	0.60	0.00	9.40	1.25	0.60	0.00
6.85	1.25	0.60	0.00	9.45	1.25	0.60	0.00
6.90	1.25	0.60	0.00	9.50	1.25	0.60	0.00
6.95	1.25	0.60	0.00	9.55	1.25	0.60	0.00
7.00	1.25	0.60	0.00	9.60	1.25	0.60	0.00
7.05	1.25	0.60	0.00	9.65	1.25	0.60	0.00
7.10	1.25	0.60	0.00	9.70	1.25	0.60	0.00
7.15	1.25	0.60	0.00	9.75	1.25	0.60	0.00
7.20	1.25	0.60	0.00	9.80	1.25	0.60	0.00
7.25	1.25	0.60	0.00	9.85	1.25	0.60	0.00
7.30	1.25	0.60	0.00	9.90	1.25	0.60	0.00
7.35	1.25	0.60	0.00	9.95	1.25	0.60	0.00
7.40	1.25	0.60	0.00	10.00	1.25	0.60	0.00
7.45	1.25	0.60	0.00	10.05	1.25	0.60	0.00
7.50	1.25	0.60	0.00	10.10	1.25	0.60	0.00
7.55	1.25	0.60	0.00	10.15	1.25	0.60	0.00
7.60	1.25	0.60	0.00	10.20	1.25	0.60	0.00
7.65	1.25	0.60	0.00	10.25	1.25	0.60	0.00
7.70	1.25	0.60	0.00	10.30	1.25	0.60	0.00
7.75	1.25	0.60	0.00	10.35	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.60	0.00	13.00	1.25	0.60	0.00
10.45	1.25	0.60	0.00	13.05	1.25	0.60	0.00
10.50	1.25	0.60	0.00	13.10	1.25	0.60	0.00
10.55	1.25	0.60	0.00	13.15	1.25	0.60	0.00
10.60	1.25	0.60	0.00	13.20	1.25	0.60	0.00
10.65	1.25	0.60	0.00	13.25	1.25	0.60	0.00
10.70	1.25	0.60	0.00	13.30	1.25	0.60	0.00
10.75	1.25	0.60	0.00	13.35	1.25	0.60	0.00
10.80	1.25	0.60	0.00	13.40	1.25	0.60	0.00
10.85	1.25	0.60	0.00	13.45	1.25	0.60	0.00
10.90	1.25	0.60	0.00	13.50	1.25	0.60	0.00
10.95	1.25	0.60	0.00	13.55	1.25	0.60	0.00
11.00	1.25	0.60	0.00	13.60	1.25	0.60	0.00
11.05	1.25	0.60	0.00	13.65	1.25	0.60	0.00
11.10	1.25	0.60	0.00	13.70	1.25	0.60	0.00
11.15	1.25	0.60	0.00	13.75	1.25	0.60	0.00
11.20	1.25	0.60	0.00	13.80	1.25	0.60	0.00
11.25	1.25	0.60	0.00	13.85	1.25	0.60	0.00
11.30	1.25	0.60	0.00	13.90	1.25	0.60	0.00
11.35	1.25	0.60	0.00	13.95	1.25	0.60	0.00
11.40	1.25	0.60	0.00	14.00	1.25	0.60	0.00
11.45	1.25	0.60	0.00	14.05	1.25	0.60	0.00
11.50	1.25	0.60	0.00	14.10	1.25	0.60	0.00
11.55	1.25	0.60	0.00	14.15	1.25	0.60	0.00
11.60	1.25	0.60	0.00	14.20	1.25	0.60	0.00
11.65	1.25	0.60	0.00	14.25	1.25	0.60	0.00
11.70	1.25	0.60	0.00	14.30	1.25	0.60	0.00
11.75	1.25	0.60	0.00	14.35	1.25	0.60	0.00
11.80	1.25	0.60	0.00	14.40	1.25	0.60	0.00
11.85	1.25	0.60	0.00	14.45	1.25	0.60	0.00
11.90	1.25	0.60	0.00	14.50	1.25	0.60	0.00
11.95	1.25	0.60	0.00	14.55	1.25	0.60	0.00
12.00	1.25	0.60	0.00	14.60	1.25	0.60	0.00
12.05	1.25	0.60	0.00	14.65	1.25	0.60	0.00
12.10	1.25	0.60	0.00	14.70	1.25	0.60	0.00
12.15	1.25	0.60	0.00	14.75	1.25	0.60	0.00
12.20	1.25	0.60	0.00	14.80	1.25	0.60	0.00
12.25	1.25	0.60	0.00	14.85	1.25	0.60	0.00
12.30	1.25	0.60	0.00	14.90	1.25	0.60	0.00
12.35	1.25	0.60	0.00	14.95	1.25	0.60	0.00
12.40	1.25	0.60	0.00	15.00	1.25	0.60	0.00
12.45	1.25	0.60	0.00	15.05	1.25	0.60	0.00
12.50	1.25	0.60	0.00	15.10	1.25	0.60	0.00
12.55	1.25	0.60	0.00	15.15	1.25	0.60	0.00
12.60	1.25	0.60	0.00	15.20	1.25	0.60	0.00
12.65	1.25	0.60	0.00	15.25	1.25	0.60	0.00
12.70	1.25	0.60	0.00	15.30	1.25	0.60	0.00
12.75	1.25	0.60	0.00	15.35	1.25	0.60	0.00
12.80	1.25	0.60	0.00	15.40	1.25	0.60	0.00
12.85	1.25	0.60	0.00	15.45	1.25	0.60	0.00
12.90	1.25	0.60	0.00	15.50	1.25	0.60	0.00
12.95	1.25	0.60	0.00	15.55	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.60	0.00	18.20	1.25	0.60	0.00
15.65	1.25	0.60	0.00	18.25	1.25	0.60	0.00
15.70	1.25	0.60	0.00	18.30	1.25	0.60	0.00
15.75	1.25	0.60	0.00	18.35	1.25	0.60	0.00
15.80	1.25	0.60	0.00	18.40	1.25	0.60	0.00
15.85	1.25	0.60	0.00	18.45	1.25	0.60	0.00
15.90	1.25	0.60	0.00	18.50	1.25	0.60	0.00
15.95	1.25	0.60	0.00	18.55	1.25	0.60	0.00
16.00	1.25	0.60	0.00	18.60	1.25	0.60	0.00
16.05	1.25	0.60	0.00	18.65	1.25	0.60	0.00
16.10	1.25	0.60	0.00	18.70	1.25	0.60	0.00
16.15	1.25	0.60	0.00	18.75	1.25	0.60	0.00
16.20	1.25	0.60	0.00	18.80	1.25	0.60	0.00
16.25	1.25	0.60	0.00	18.85	1.25	0.60	0.00
16.30	1.25	0.60	0.00	18.90	1.25	0.60	0.00
16.35	1.25	0.60	0.00	18.95	1.25	0.60	0.00
16.40	1.25	0.60	0.00	19.00	1.25	0.60	0.00
16.45	1.25	0.60	0.00	19.05	1.25	0.60	0.00
16.50	1.25	0.60	0.00	19.10	1.25	0.60	0.00
16.55	1.25	0.60	0.00	19.15	1.25	0.60	0.00
16.60	1.25	0.60	0.00	19.20	1.25	0.60	0.00
16.65	1.25	0.60	0.00	19.25	1.25	0.60	0.00
16.70	1.25	0.60	0.00	19.30	1.25	0.60	0.00
16.75	1.25	0.60	0.00	19.35	1.25	0.60	0.00
16.80	1.25	0.60	0.00	19.40	1.25	0.60	0.00
16.85	1.25	0.60	0.00	19.45	1.25	0.60	0.00
16.90	1.25	0.60	0.00	19.50	1.25	0.60	0.00
16.95	1.25	0.60	0.00	19.55	1.25	0.60	0.00
17.00	1.25	0.60	0.00	19.60	1.25	0.60	0.00
17.05	1.25	0.60	0.00	19.65	1.25	0.60	0.00
17.10	1.25	0.60	0.00	19.70	1.25	0.60	0.00
17.15	1.25	0.60	0.00	19.75	1.25	0.60	0.00
17.20	1.25	0.60	0.00	19.80	1.25	0.60	0.00
17.25	1.25	0.60	0.00	19.85	1.25	0.60	0.00
17.30	1.25	0.60	0.00	19.90	1.25	0.60	0.00
17.35	1.25	0.60	0.00	19.95	1.25	0.60	0.00
17.40	1.25	0.60	0.00	20.00	1.25	0.60	0.00
17.45	1.25	0.60	0.00	20.05	1.25	0.60	0.00
17.50	1.25	0.60	0.00	20.10	1.25	0.60	0.00
17.55	1.25	0.60	0.00	20.15	1.25	0.60	0.00
17.60	1.25	0.60	0.00	20.20	1.25	0.60	0.00
17.65	1.25	0.60	0.00	20.25	1.25	0.60	0.00
17.70	1.25	0.60	0.00	20.30	1.25	0.60	0.00
17.75	1.25	0.60	0.00	20.35	1.25	0.60	0.00
17.80	1.25	0.60	0.00	20.40	1.25	0.60	0.00
17.85	1.25	0.60	0.00	20.45	1.25	0.60	0.00
17.90	1.25	0.60	0.00	20.50	1.25	0.60	0.00
17.95	1.25	0.60	0.00	20.55	1.25	0.60	0.00
18.00	1.25	0.60	0.00	20.60	1.25	0.60	0.00
18.05	1.25	0.60	0.00	20.65	1.25	0.60	0.00
18.10	1.25	0.60	0.00	20.70	1.25	0.60	0.00
18.15	1.25	0.60	0.00	20.75	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.60	0.00	23.40	1.25	0.60	0.00
20.85	1.25	0.60	0.00	23.45	1.25	0.60	0.00
20.90	1.25	0.60	0.00	23.50	1.25	0.60	0.00
20.95	1.25	0.60	0.00	23.55	1.25	0.60	0.00
21.00	1.25	0.60	0.00	23.60	1.25	0.60	0.00
21.05	1.25	0.60	0.00	23.65	1.25	0.60	0.00
21.10	1.25	0.60	0.00	23.70	1.25	0.60	0.00
21.15	1.25	0.60	0.00	23.75	1.25	0.60	0.00
21.20	1.25	0.60	0.00	23.80	1.25	0.60	0.00
21.25	1.25	0.60	0.00	23.85	1.25	0.60	0.00
21.30	1.25	0.60	0.00	23.90	1.25	0.60	0.00
21.35	1.25	0.60	0.00	23.95	1.25	0.60	0.00
21.40	1.25	0.60	0.00	24.00	1.25	0.60	0.00
21.45	1.25	0.60	0.00	24.05	1.25	0.60	0.00
21.50	1.25	0.60	0.00	24.10	1.25	0.60	0.00
21.55	1.25	0.60	0.00	24.15	1.25	0.60	0.00
21.60	1.25	0.60	0.00	24.20	1.25	0.60	0.00
21.65	1.25	0.60	0.00	24.25	1.25	0.60	0.00
21.70	1.25	0.60	0.00	24.30	1.25	0.60	0.00
21.75	1.25	0.60	0.00	24.35	1.25	0.60	0.00
21.80	1.25	0.60	0.00	24.40	1.25	0.60	0.00
21.85	1.25	0.60	0.00	24.45	1.25	0.60	0.00
21.90	1.25	0.60	0.00	24.50	1.25	0.60	0.00
21.95	1.25	0.60	0.00	24.55	1.25	0.60	0.00
22.00	1.25	0.60	0.00	24.60	1.25	0.60	0.00
22.05	1.25	0.60	0.00	24.65	1.25	0.60	0.00
22.10	1.25	0.60	0.00	24.70	1.25	0.60	0.00
22.15	1.25	0.60	0.00	24.75	1.25	0.60	0.00
22.20	1.25	0.60	0.00	24.80	1.25	0.60	0.00
22.25	1.25	0.60	0.00	24.85	1.25	0.60	0.00
22.30	1.25	0.60	0.00	24.90	1.25	0.60	0.00
22.35	1.25	0.60	0.00	24.95	1.25	0.60	0.00
22.40	1.25	0.60	0.00	25.00	1.25	0.60	0.00
22.45	1.25	0.60	0.00	25.05	1.25	0.60	0.00
22.50	1.25	0.60	0.00	25.10	1.25	0.60	0.00
22.55	1.25	0.60	0.00	25.15	1.25	0.60	0.00
22.60	1.25	0.60	0.00	25.20	1.25	0.60	0.00
22.65	1.25	0.60	0.00	25.25	1.25	0.60	0.00
22.70	1.25	0.60	0.00	25.30	1.25	0.60	0.00
22.75	1.25	0.60	0.00	25.35	1.25	0.60	0.00
22.80	1.25	0.60	0.00	25.40	1.25	0.60	0.00
22.85	1.25	0.60	0.00	25.45	1.25	0.60	0.00
22.90	1.25	0.60	0.00	25.50	1.25	0.60	0.00
22.95	1.25	0.60	0.00	25.55	1.25	0.60	0.00
23.00	1.25	0.60	0.00	25.60	1.25	0.60	0.00
23.05	1.25	0.60	0.00	25.65	1.25	0.60	0.00
23.10	1.25	0.60	0.00	25.70	1.25	0.60	0.00
23.15	1.25	0.60	0.00	25.75	1.25	0.60	0.00
23.20	1.25	0.60	0.00	25.80	1.25	0.60	0.00
23.25	1.25	0.60	0.00	25.85	1.25	0.60	0.00
23.30	1.25	0.60	0.00	25.90	1.25	0.60	0.00
23.35	1.25	0.60	0.00	25.95	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.60	0.00	28.60	1.25	0.60	0.00
26.05	1.25	0.60	0.00	28.65	1.25	0.60	0.00
26.10	1.25	0.60	0.00	28.70	1.25	0.60	0.00
26.15	1.25	0.60	0.00	28.75	1.25	0.60	0.00
26.20	1.25	0.60	0.00	28.80	1.25	0.60	0.00
26.25	1.25	0.60	0.00	28.85	1.25	0.60	0.00
26.30	1.25	0.60	0.00	28.90	1.25	0.60	0.00
26.35	1.25	0.60	0.00	28.95	1.25	0.60	0.00
26.40	1.25	0.60	0.00	29.00	1.25	0.60	0.00
26.45	1.25	0.60	0.00	29.05	1.25	0.60	0.00
26.50	1.25	0.60	0.00	29.10	1.25	0.60	0.00
26.55	1.25	0.60	0.00	29.15	1.25	0.60	0.00
26.60	1.25	0.60	0.00	29.20	1.25	0.60	0.00
26.65	1.25	0.60	0.00	29.25	1.25	0.60	0.00
26.70	1.25	0.60	0.00	29.30	1.25	0.60	0.00
26.75	1.25	0.60	0.00	29.35	1.25	0.60	0.00
26.80	1.25	0.60	0.00	29.40	1.25	0.60	0.00
26.85	1.25	0.60	0.00	29.45	1.25	0.60	0.00
26.90	1.25	0.60	0.00	29.50	1.25	0.60	0.00
26.95	1.25	0.60	0.00	29.55	1.25	0.60	0.00
27.00	1.25	0.60	0.00	29.60	1.25	0.60	0.00
27.05	1.25	0.60	0.00	29.65	1.25	0.60	0.00
27.10	1.25	0.60	0.00	29.70	1.25	0.60	0.00
27.15	1.25	0.60	0.00	29.75	1.25	0.60	0.00
27.20	1.25	0.60	0.00	29.80	1.25	0.60	0.00
27.25	1.25	0.60	0.00	29.85	1.25	0.60	0.00
27.30	1.25	0.60	0.00	29.90	1.25	0.60	0.00
27.35	1.25	0.60	0.00	29.95	1.25	0.60	0.00
27.40	1.25	0.60	0.00	30.00	1.25	0.60	0.00
27.45	1.25	0.60	0.00	30.05	1.25	0.60	0.00
27.50	1.25	0.60	0.00	30.10	1.25	0.60	0.00
27.55	1.25	0.60	0.00	30.15	1.25	0.60	0.00
27.60	1.25	0.60	0.00	30.20	1.25	0.60	0.00
27.65	1.25	0.60	0.00	30.25	1.25	0.60	0.00
27.70	1.25	0.60	0.00	30.30	1.25	0.60	0.00
27.75	1.25	0.60	0.00	30.35	1.25	0.60	0.00
27.80	1.25	0.60	0.00	30.40	1.25	0.60	0.00
27.85	1.25	0.60	0.00	30.45	1.25	0.60	0.00
27.90	1.25	0.60	0.00	30.50	1.25	0.60	0.00
27.95	1.25	0.60	0.00	30.55	1.25	0.60	0.00
28.00	1.25	0.60	0.00	30.60	1.25	0.60	0.00
28.05	1.25	0.60	0.00	30.65	1.25	0.60	0.00
28.10	1.25	0.60	0.00	30.70	1.25	0.60	0.00
28.15	1.25	0.60	0.00	30.75	1.25	0.60	0.00
28.20	1.25	0.60	0.00	30.80	1.25	0.60	0.00
28.25	1.25	0.60	0.00	30.85	1.25	0.60	0.00
28.30	1.25	0.60	0.00	30.90	1.25	0.60	0.00
28.35	1.25	0.60	0.00	30.95	1.25	0.60	0.00
28.40	1.25	0.60	0.00	31.00	1.25	0.60	0.00
28.45	1.25	0.60	0.00	31.05	1.25	0.60	0.00
28.50	1.25	0.60	0.00	31.10	1.25	0.60	0.00
28.55	1.25	0.60	0.00	31.15	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.60	0.00	33.80	1.25	0.60	0.00
31.25	1.25	0.60	0.00	33.85	1.25	0.60	0.00
31.30	1.25	0.60	0.00	33.90	1.25	0.60	0.00
31.35	1.25	0.60	0.00	33.95	1.25	0.60	0.00
31.40	1.25	0.60	0.00	34.00	1.25	0.60	0.00
31.45	1.25	0.60	0.00	34.05	1.25	0.60	0.00
31.50	1.25	0.60	0.00	34.10	1.25	0.60	0.00
31.55	1.25	0.60	0.00	34.15	1.25	0.60	0.00
31.60	1.25	0.60	0.00	34.20	1.25	0.60	0.00
31.65	1.25	0.60	0.00	34.25	1.25	0.60	0.00
31.70	1.25	0.60	0.00	34.30	1.25	0.60	0.00
31.75	1.25	0.60	0.00	34.35	1.25	0.60	0.00
31.80	1.25	0.60	0.00	34.40	1.25	0.60	0.00
31.85	1.25	0.60	0.00	34.45	1.25	0.60	0.00
31.90	1.25	0.60	0.00	34.50	1.25	0.60	0.00
31.95	1.25	0.60	0.00	34.55	1.25	0.60	0.00
32.00	1.25	0.60	0.00	34.60	1.25	0.60	0.00
32.05	1.25	0.60	0.00	34.65	1.25	0.60	0.00
32.10	1.25	0.60	0.00	34.70	1.25	0.60	0.00
32.15	1.25	0.60	0.00	34.75	1.25	0.60	0.00
32.20	1.25	0.60	0.00	34.80	1.25	0.60	0.00
32.25	1.25	0.60	0.00	34.85	1.25	0.60	0.00
32.30	1.25	0.60	0.00	34.90	1.25	0.60	0.00
32.35	1.25	0.60	0.00	34.95	1.25	0.60	0.00
32.40	1.25	0.60	0.00	35.00	1.25	0.60	0.00
32.45	1.25	0.60	0.00	35.05	1.25	0.60	0.00
32.50	1.25	0.60	0.00	35.10	1.25	0.60	0.00
32.55	1.25	0.60	0.00	35.15	1.25	0.60	0.00
32.60	1.25	0.60	0.00	35.20	1.25	0.60	0.00
32.65	1.25	0.60	0.00	35.25	1.25	0.60	0.00
32.70	1.25	0.60	0.00	35.30	1.25	0.60	0.00
32.75	1.25	0.60	0.00	35.35	1.25	0.60	0.00
32.80	1.25	0.60	0.00	35.40	1.25	0.60	0.00
32.85	1.25	0.60	0.00	35.45	1.25	0.60	0.00
32.90	1.25	0.60	0.00	35.50	1.25	0.60	0.00
32.95	1.25	0.60	0.00	35.55	1.25	0.60	0.00
33.00	1.25	0.60	0.00	35.60	1.25	0.60	0.00
33.05	1.25	0.60	0.00	35.65	1.25	0.60	0.00
33.10	1.25	0.60	0.00	35.70	1.25	0.60	0.00
33.15	1.25	0.60	0.00	35.75	1.25	0.60	0.00
33.20	1.25	0.60	0.00	35.80	1.25	0.60	0.00
33.25	1.25	0.60	0.00	35.85	1.25	0.60	0.00
33.30	1.25	0.60	0.00	35.90	1.25	0.60	0.00
33.35	1.25	0.60	0.00	35.95	1.25	0.60	0.00
33.40	1.25	0.60	0.00	36.00	1.25	0.60	0.00
33.45	1.25	0.60	0.00	36.05	1.25	0.60	0.00
33.50	1.25	0.60	0.00	36.10	1.25	0.60	0.00
33.55	1.25	0.60	0.00	36.15	1.25	0.60	0.00
33.60	1.25	0.60	0.00	36.20	1.25	0.60	0.00
33.65	1.25	0.60	0.00	36.25	1.25	0.60	0.00
33.70	1.25	0.60	0.00	36.30	1.25	0.60	0.00
33.75	1.25	0.60	0.00	36.35	1.25	0.60	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.60	0.00	39.00	1.25	0.60	0.00
36.45	1.25	0.60	0.00	39.05	1.25	0.60	0.00
36.50	1.25	0.60	0.00	39.10	1.25	0.60	0.00
36.55	1.25	0.60	0.00	39.15	1.25	0.60	0.00
36.60	1.25	0.60	0.00	39.20	1.25	0.60	0.00
36.65	1.25	0.60	0.00	39.25	1.25	0.60	0.00
36.70	1.25	0.60	0.00	39.30	1.25	0.60	0.00
36.75	1.25	0.60	0.00	39.35	1.25	0.60	0.00
36.80	1.25	0.60	0.00	39.40	1.25	0.60	0.00
36.85	1.25	0.60	0.00	39.45	1.25	0.60	0.00
36.90	1.25	0.60	0.00	39.50	1.25	0.60	0.00
36.95	1.25	0.60	0.00	39.55	1.25	0.60	0.00
37.00	1.25	0.60	0.00	39.60	1.25	0.60	0.00
37.05	1.25	0.60	0.00	39.65	1.25	0.60	0.00
37.10	1.25	0.60	0.00	39.70	1.25	0.60	0.00
37.15	1.25	0.60	0.00	39.75	1.25	0.60	0.00
37.20	1.25	0.60	0.00	39.80	1.25	0.60	0.00
37.25	1.25	0.60	0.00	39.85	1.25	0.60	0.00
37.30	1.25	0.60	0.00	39.90	1.25	0.60	0.00
37.35	1.25	0.60	0.00	39.95	1.25	0.60	0.00
37.40	1.25	0.60	0.00	40.00	1.25	0.60	0.00
37.45	1.25	0.60	0.00				
37.50	1.25	0.60	0.00				
37.55	1.25	0.60	0.00				
37.60	1.25	0.60	0.00				
37.65	1.25	0.60	0.00				
37.70	1.25	0.60	0.00				
37.75	1.25	0.60	0.00				
37.80	1.25	0.60	0.00				
37.85	1.25	0.60	0.00				
37.90	1.25	0.60	0.00				
37.95	1.25	0.60	0.00				
38.00	1.25	0.60	0.00				
38.05	1.25	0.60	0.00				
38.10	1.25	0.60	0.00				
38.15	1.25	0.60	0.00				
38.20	1.25	0.60	0.00				
38.25	1.25	0.60	0.00				
38.30	1.25	0.60	0.00				
38.35	1.25	0.60	0.00				
38.40	1.25	0.60	0.00				
38.45	1.25	0.60	0.00				
38.50	1.25	0.60	0.00				
38.55	1.25	0.60	0.00				
38.60	1.25	0.60	0.00				
38.65	1.25	0.60	0.00				
38.70	1.25	0.60	0.00				
38.75	1.25	0.60	0.00				
38.80	1.25	0.60	0.00				
38.85	1.25	0.60	0.00				
38.90	1.25	0.60	0.00				
38.95	1.25	0.60	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

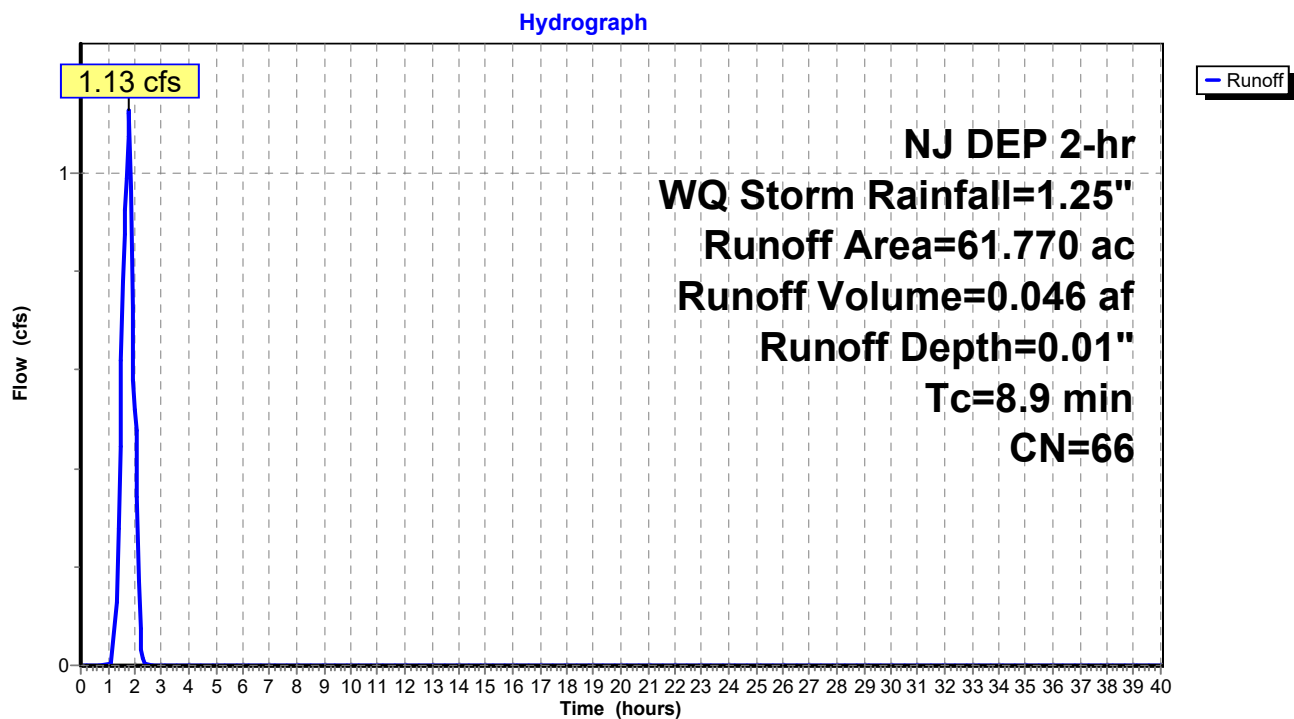
Runoff = 1.13 cfs @ 1.79 hrs, Volume= 0.046 af, Depth= 0.01"
 Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.03	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.13	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.28	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.44	4.05	1.25	0.01	0.00
1.50	1.15	0.00	0.62	4.10	1.25	0.01	0.00
1.55	1.17	0.00	0.78	4.15	1.25	0.01	0.00
1.60	1.18	0.00	0.88	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.93	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.99	4.30	1.25	0.01	0.00
1.75	1.23	0.01	1.08	4.35	1.25	0.01	0.00
1.80	1.23	0.01	1.12	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.97	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.73	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.58	4.55	1.25	0.01	0.00
2.00	1.25	0.01	0.52	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.48	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.34	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.17	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.07	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.03	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.01	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.01	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.00	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.00	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.00	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.00	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00	39.00	1.25	0.01	0.00
36.45	1.25	0.01	0.00	39.05	1.25	0.01	0.00
36.50	1.25	0.01	0.00	39.10	1.25	0.01	0.00
36.55	1.25	0.01	0.00	39.15	1.25	0.01	0.00
36.60	1.25	0.01	0.00	39.20	1.25	0.01	0.00
36.65	1.25	0.01	0.00	39.25	1.25	0.01	0.00
36.70	1.25	0.01	0.00	39.30	1.25	0.01	0.00
36.75	1.25	0.01	0.00	39.35	1.25	0.01	0.00
36.80	1.25	0.01	0.00	39.40	1.25	0.01	0.00
36.85	1.25	0.01	0.00	39.45	1.25	0.01	0.00
36.90	1.25	0.01	0.00	39.50	1.25	0.01	0.00
36.95	1.25	0.01	0.00	39.55	1.25	0.01	0.00
37.00	1.25	0.01	0.00	39.60	1.25	0.01	0.00
37.05	1.25	0.01	0.00	39.65	1.25	0.01	0.00
37.10	1.25	0.01	0.00	39.70	1.25	0.01	0.00
37.15	1.25	0.01	0.00	39.75	1.25	0.01	0.00
37.20	1.25	0.01	0.00	39.80	1.25	0.01	0.00
37.25	1.25	0.01	0.00	39.85	1.25	0.01	0.00
37.30	1.25	0.01	0.00	39.90	1.25	0.01	0.00
37.35	1.25	0.01	0.00	39.95	1.25	0.01	0.00
37.40	1.25	0.01	0.00	40.00	1.25	0.01	0.00
37.45	1.25	0.01	0.00				
37.50	1.25	0.01	0.00				
37.55	1.25	0.01	0.00				
37.60	1.25	0.01	0.00				
37.65	1.25	0.01	0.00				
37.70	1.25	0.01	0.00				
37.75	1.25	0.01	0.00				
37.80	1.25	0.01	0.00				
37.85	1.25	0.01	0.00				
37.90	1.25	0.01	0.00				
37.95	1.25	0.01	0.00				
38.00	1.25	0.01	0.00				
38.05	1.25	0.01	0.00				
38.10	1.25	0.01	0.00				
38.15	1.25	0.01	0.00				
38.20	1.25	0.01	0.00				
38.25	1.25	0.01	0.00				
38.30	1.25	0.01	0.00				
38.35	1.25	0.01	0.00				
38.40	1.25	0.01	0.00				
38.45	1.25	0.01	0.00				
38.50	1.25	0.01	0.00				
38.55	1.25	0.01	0.00				
38.60	1.25	0.01	0.00				
38.65	1.25	0.01	0.00				
38.70	1.25	0.01	0.00				
38.75	1.25	0.01	0.00				
38.80	1.25	0.01	0.00				
38.85	1.25	0.01	0.00				
38.90	1.25	0.01	0.00				
38.95	1.25	0.01	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 0.60 cfs @ 1.78 hrs, Volume= 0.028 af, Depth= 0.01"
Routed to Link XDA-10 : XDA-10

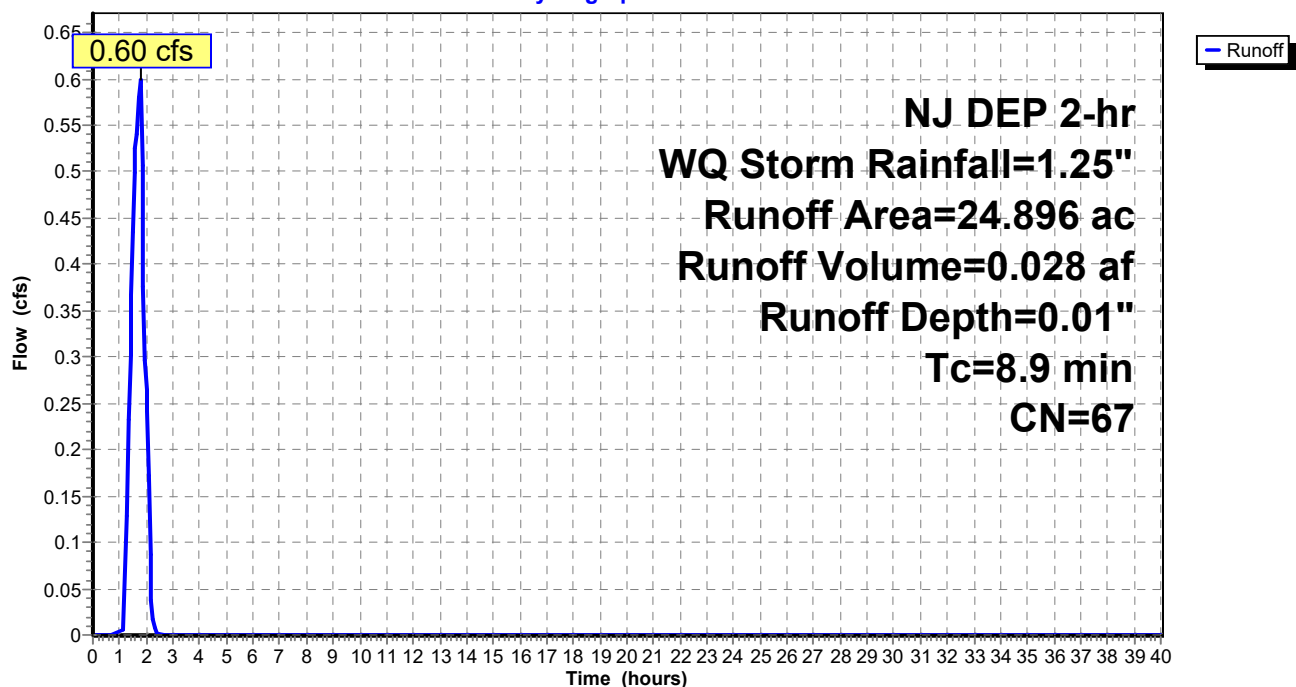
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.03	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.13	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.23	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.30	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.37	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.44	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.50	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.53	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.53	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.55	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.58	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.59	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.51	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.38	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.30	4.55	1.25	0.01	0.00
2.00	1.25	0.01	0.26	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.24	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.17	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.09	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.04	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.02	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.01	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.00	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.00	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.00	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.00	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.00	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00	39.00	1.25	0.01	0.00
36.45	1.25	0.01	0.00	39.05	1.25	0.01	0.00
36.50	1.25	0.01	0.00	39.10	1.25	0.01	0.00
36.55	1.25	0.01	0.00	39.15	1.25	0.01	0.00
36.60	1.25	0.01	0.00	39.20	1.25	0.01	0.00
36.65	1.25	0.01	0.00	39.25	1.25	0.01	0.00
36.70	1.25	0.01	0.00	39.30	1.25	0.01	0.00
36.75	1.25	0.01	0.00	39.35	1.25	0.01	0.00
36.80	1.25	0.01	0.00	39.40	1.25	0.01	0.00
36.85	1.25	0.01	0.00	39.45	1.25	0.01	0.00
36.90	1.25	0.01	0.00	39.50	1.25	0.01	0.00
36.95	1.25	0.01	0.00	39.55	1.25	0.01	0.00
37.00	1.25	0.01	0.00	39.60	1.25	0.01	0.00
37.05	1.25	0.01	0.00	39.65	1.25	0.01	0.00
37.10	1.25	0.01	0.00	39.70	1.25	0.01	0.00
37.15	1.25	0.01	0.00	39.75	1.25	0.01	0.00
37.20	1.25	0.01	0.00	39.80	1.25	0.01	0.00
37.25	1.25	0.01	0.00	39.85	1.25	0.01	0.00
37.30	1.25	0.01	0.00	39.90	1.25	0.01	0.00
37.35	1.25	0.01	0.00	39.95	1.25	0.01	0.00
37.40	1.25	0.01	0.00	40.00	1.25	0.01	0.00
37.45	1.25	0.01	0.00				
37.50	1.25	0.01	0.00				
37.55	1.25	0.01	0.00				
37.60	1.25	0.01	0.00				
37.65	1.25	0.01	0.00				
37.70	1.25	0.01	0.00				
37.75	1.25	0.01	0.00				
37.80	1.25	0.01	0.00				
37.85	1.25	0.01	0.00				
37.90	1.25	0.01	0.00				
37.95	1.25	0.01	0.00				
38.00	1.25	0.01	0.00				
38.05	1.25	0.01	0.00				
38.10	1.25	0.01	0.00				
38.15	1.25	0.01	0.00				
38.20	1.25	0.01	0.00				
38.25	1.25	0.01	0.00				
38.30	1.25	0.01	0.00				
38.35	1.25	0.01	0.00				
38.40	1.25	0.01	0.00				
38.45	1.25	0.01	0.00				
38.50	1.25	0.01	0.00				
38.55	1.25	0.01	0.00				
38.60	1.25	0.01	0.00				
38.65	1.25	0.01	0.00				
38.70	1.25	0.01	0.00				
38.75	1.25	0.01	0.00				
38.80	1.25	0.01	0.00				
38.85	1.25	0.01	0.00				
38.90	1.25	0.01	0.00				
38.95	1.25	0.01	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

Runoff = 8.21 cfs @ 1.24 hrs, Volume= 0.343 af, Depth= 0.12"
Routed to Link XDA-2 : Existing Drainage Area #2

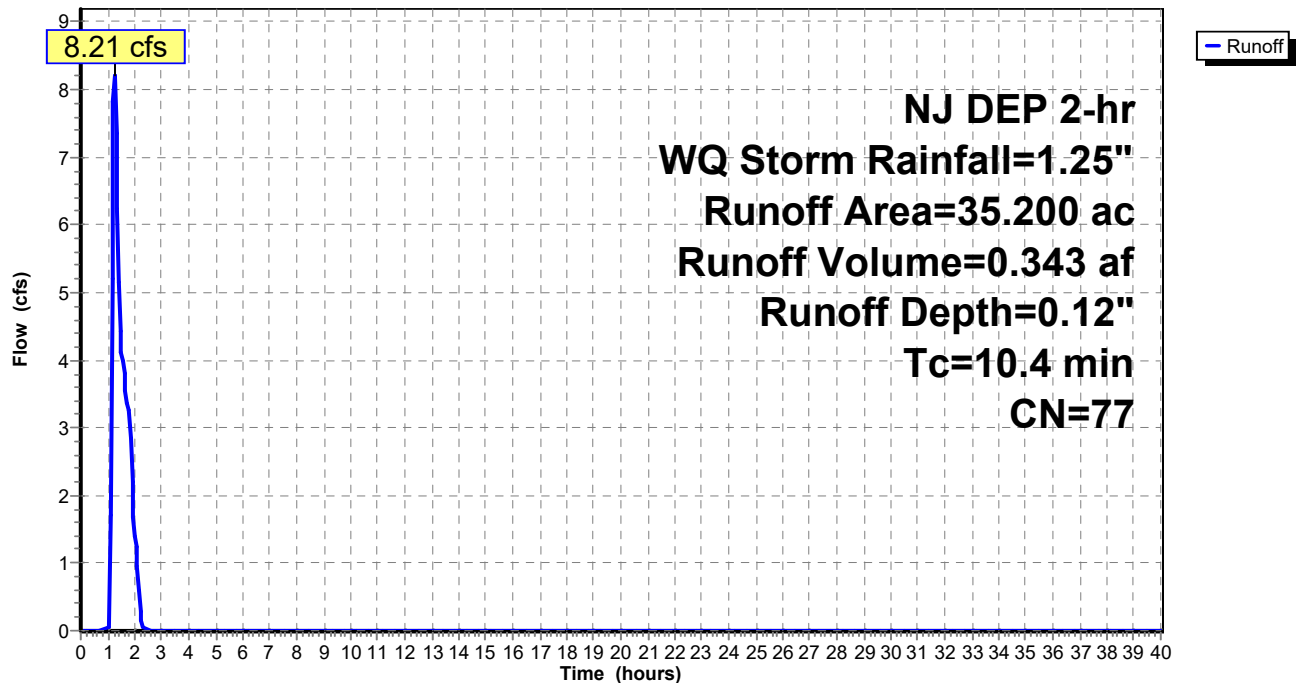
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.12	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.12	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.12	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.12	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.12	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.12	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.12	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.12	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.12	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.12	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.12	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.12	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.12	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.12	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.12	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.12	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.12	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.12	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.12	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.12	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.12	0.00
1.05	0.79	0.01	0.18	3.65	1.25	0.12	0.00
1.10	0.91	0.03	1.71	3.70	1.25	0.12	0.00
1.15	0.97	0.04	5.21	3.75	1.25	0.12	0.00
1.20	1.02	0.05	7.83	3.80	1.25	0.12	0.00
1.25	1.05	0.06	8.19	3.85	1.25	0.12	0.00
1.30	1.07	0.06	7.35	3.90	1.25	0.12	0.00
1.35	1.09	0.07	6.23	3.95	1.25	0.12	0.00
1.40	1.11	0.08	5.15	4.00	1.25	0.12	0.00
1.45	1.13	0.08	4.44	4.05	1.25	0.12	0.00
1.50	1.15	0.09	4.12	4.10	1.25	0.12	0.00
1.55	1.17	0.09	3.98	4.15	1.25	0.12	0.00
1.60	1.18	0.10	3.80	4.20	1.25	0.12	0.00
1.65	1.20	0.10	3.54	4.25	1.25	0.12	0.00
1.70	1.21	0.10	3.36	4.30	1.25	0.12	0.00
1.75	1.23	0.11	3.29	4.35	1.25	0.12	0.00
1.80	1.23	0.11	3.22	4.40	1.25	0.12	0.00
1.85	1.24	0.11	2.85	4.45	1.25	0.12	0.00
1.90	1.24	0.11	2.19	4.50	1.25	0.12	0.00
1.95	1.25	0.12	1.67	4.55	1.25	0.12	0.00
2.00	1.25	0.12	1.40	4.60	1.25	0.12	0.00
2.05	1.25	0.12	1.23	4.65	1.25	0.12	0.00
2.10	1.25	0.12	0.96	4.70	1.25	0.12	0.00
2.15	1.25	0.12	0.59	4.75	1.25	0.12	0.00
2.20	1.25	0.12	0.29	4.80	1.25	0.12	0.00
2.25	1.25	0.12	0.14	4.85	1.25	0.12	0.00
2.30	1.25	0.12	0.07	4.90	1.25	0.12	0.00
2.35	1.25	0.12	0.03	4.95	1.25	0.12	0.00
2.40	1.25	0.12	0.02	5.00	1.25	0.12	0.00
2.45	1.25	0.12	0.01	5.05	1.25	0.12	0.00
2.50	1.25	0.12	0.00	5.10	1.25	0.12	0.00
2.55	1.25	0.12	0.00	5.15	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.12	0.00	7.80	1.25	0.12	0.00
5.25	1.25	0.12	0.00	7.85	1.25	0.12	0.00
5.30	1.25	0.12	0.00	7.90	1.25	0.12	0.00
5.35	1.25	0.12	0.00	7.95	1.25	0.12	0.00
5.40	1.25	0.12	0.00	8.00	1.25	0.12	0.00
5.45	1.25	0.12	0.00	8.05	1.25	0.12	0.00
5.50	1.25	0.12	0.00	8.10	1.25	0.12	0.00
5.55	1.25	0.12	0.00	8.15	1.25	0.12	0.00
5.60	1.25	0.12	0.00	8.20	1.25	0.12	0.00
5.65	1.25	0.12	0.00	8.25	1.25	0.12	0.00
5.70	1.25	0.12	0.00	8.30	1.25	0.12	0.00
5.75	1.25	0.12	0.00	8.35	1.25	0.12	0.00
5.80	1.25	0.12	0.00	8.40	1.25	0.12	0.00
5.85	1.25	0.12	0.00	8.45	1.25	0.12	0.00
5.90	1.25	0.12	0.00	8.50	1.25	0.12	0.00
5.95	1.25	0.12	0.00	8.55	1.25	0.12	0.00
6.00	1.25	0.12	0.00	8.60	1.25	0.12	0.00
6.05	1.25	0.12	0.00	8.65	1.25	0.12	0.00
6.10	1.25	0.12	0.00	8.70	1.25	0.12	0.00
6.15	1.25	0.12	0.00	8.75	1.25	0.12	0.00
6.20	1.25	0.12	0.00	8.80	1.25	0.12	0.00
6.25	1.25	0.12	0.00	8.85	1.25	0.12	0.00
6.30	1.25	0.12	0.00	8.90	1.25	0.12	0.00
6.35	1.25	0.12	0.00	8.95	1.25	0.12	0.00
6.40	1.25	0.12	0.00	9.00	1.25	0.12	0.00
6.45	1.25	0.12	0.00	9.05	1.25	0.12	0.00
6.50	1.25	0.12	0.00	9.10	1.25	0.12	0.00
6.55	1.25	0.12	0.00	9.15	1.25	0.12	0.00
6.60	1.25	0.12	0.00	9.20	1.25	0.12	0.00
6.65	1.25	0.12	0.00	9.25	1.25	0.12	0.00
6.70	1.25	0.12	0.00	9.30	1.25	0.12	0.00
6.75	1.25	0.12	0.00	9.35	1.25	0.12	0.00
6.80	1.25	0.12	0.00	9.40	1.25	0.12	0.00
6.85	1.25	0.12	0.00	9.45	1.25	0.12	0.00
6.90	1.25	0.12	0.00	9.50	1.25	0.12	0.00
6.95	1.25	0.12	0.00	9.55	1.25	0.12	0.00
7.00	1.25	0.12	0.00	9.60	1.25	0.12	0.00
7.05	1.25	0.12	0.00	9.65	1.25	0.12	0.00
7.10	1.25	0.12	0.00	9.70	1.25	0.12	0.00
7.15	1.25	0.12	0.00	9.75	1.25	0.12	0.00
7.20	1.25	0.12	0.00	9.80	1.25	0.12	0.00
7.25	1.25	0.12	0.00	9.85	1.25	0.12	0.00
7.30	1.25	0.12	0.00	9.90	1.25	0.12	0.00
7.35	1.25	0.12	0.00	9.95	1.25	0.12	0.00
7.40	1.25	0.12	0.00	10.00	1.25	0.12	0.00
7.45	1.25	0.12	0.00	10.05	1.25	0.12	0.00
7.50	1.25	0.12	0.00	10.10	1.25	0.12	0.00
7.55	1.25	0.12	0.00	10.15	1.25	0.12	0.00
7.60	1.25	0.12	0.00	10.20	1.25	0.12	0.00
7.65	1.25	0.12	0.00	10.25	1.25	0.12	0.00
7.70	1.25	0.12	0.00	10.30	1.25	0.12	0.00
7.75	1.25	0.12	0.00	10.35	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.12	0.00	13.00	1.25	0.12	0.00
10.45	1.25	0.12	0.00	13.05	1.25	0.12	0.00
10.50	1.25	0.12	0.00	13.10	1.25	0.12	0.00
10.55	1.25	0.12	0.00	13.15	1.25	0.12	0.00
10.60	1.25	0.12	0.00	13.20	1.25	0.12	0.00
10.65	1.25	0.12	0.00	13.25	1.25	0.12	0.00
10.70	1.25	0.12	0.00	13.30	1.25	0.12	0.00
10.75	1.25	0.12	0.00	13.35	1.25	0.12	0.00
10.80	1.25	0.12	0.00	13.40	1.25	0.12	0.00
10.85	1.25	0.12	0.00	13.45	1.25	0.12	0.00
10.90	1.25	0.12	0.00	13.50	1.25	0.12	0.00
10.95	1.25	0.12	0.00	13.55	1.25	0.12	0.00
11.00	1.25	0.12	0.00	13.60	1.25	0.12	0.00
11.05	1.25	0.12	0.00	13.65	1.25	0.12	0.00
11.10	1.25	0.12	0.00	13.70	1.25	0.12	0.00
11.15	1.25	0.12	0.00	13.75	1.25	0.12	0.00
11.20	1.25	0.12	0.00	13.80	1.25	0.12	0.00
11.25	1.25	0.12	0.00	13.85	1.25	0.12	0.00
11.30	1.25	0.12	0.00	13.90	1.25	0.12	0.00
11.35	1.25	0.12	0.00	13.95	1.25	0.12	0.00
11.40	1.25	0.12	0.00	14.00	1.25	0.12	0.00
11.45	1.25	0.12	0.00	14.05	1.25	0.12	0.00
11.50	1.25	0.12	0.00	14.10	1.25	0.12	0.00
11.55	1.25	0.12	0.00	14.15	1.25	0.12	0.00
11.60	1.25	0.12	0.00	14.20	1.25	0.12	0.00
11.65	1.25	0.12	0.00	14.25	1.25	0.12	0.00
11.70	1.25	0.12	0.00	14.30	1.25	0.12	0.00
11.75	1.25	0.12	0.00	14.35	1.25	0.12	0.00
11.80	1.25	0.12	0.00	14.40	1.25	0.12	0.00
11.85	1.25	0.12	0.00	14.45	1.25	0.12	0.00
11.90	1.25	0.12	0.00	14.50	1.25	0.12	0.00
11.95	1.25	0.12	0.00	14.55	1.25	0.12	0.00
12.00	1.25	0.12	0.00	14.60	1.25	0.12	0.00
12.05	1.25	0.12	0.00	14.65	1.25	0.12	0.00
12.10	1.25	0.12	0.00	14.70	1.25	0.12	0.00
12.15	1.25	0.12	0.00	14.75	1.25	0.12	0.00
12.20	1.25	0.12	0.00	14.80	1.25	0.12	0.00
12.25	1.25	0.12	0.00	14.85	1.25	0.12	0.00
12.30	1.25	0.12	0.00	14.90	1.25	0.12	0.00
12.35	1.25	0.12	0.00	14.95	1.25	0.12	0.00
12.40	1.25	0.12	0.00	15.00	1.25	0.12	0.00
12.45	1.25	0.12	0.00	15.05	1.25	0.12	0.00
12.50	1.25	0.12	0.00	15.10	1.25	0.12	0.00
12.55	1.25	0.12	0.00	15.15	1.25	0.12	0.00
12.60	1.25	0.12	0.00	15.20	1.25	0.12	0.00
12.65	1.25	0.12	0.00	15.25	1.25	0.12	0.00
12.70	1.25	0.12	0.00	15.30	1.25	0.12	0.00
12.75	1.25	0.12	0.00	15.35	1.25	0.12	0.00
12.80	1.25	0.12	0.00	15.40	1.25	0.12	0.00
12.85	1.25	0.12	0.00	15.45	1.25	0.12	0.00
12.90	1.25	0.12	0.00	15.50	1.25	0.12	0.00
12.95	1.25	0.12	0.00	15.55	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.12	0.00	18.20	1.25	0.12	0.00
15.65	1.25	0.12	0.00	18.25	1.25	0.12	0.00
15.70	1.25	0.12	0.00	18.30	1.25	0.12	0.00
15.75	1.25	0.12	0.00	18.35	1.25	0.12	0.00
15.80	1.25	0.12	0.00	18.40	1.25	0.12	0.00
15.85	1.25	0.12	0.00	18.45	1.25	0.12	0.00
15.90	1.25	0.12	0.00	18.50	1.25	0.12	0.00
15.95	1.25	0.12	0.00	18.55	1.25	0.12	0.00
16.00	1.25	0.12	0.00	18.60	1.25	0.12	0.00
16.05	1.25	0.12	0.00	18.65	1.25	0.12	0.00
16.10	1.25	0.12	0.00	18.70	1.25	0.12	0.00
16.15	1.25	0.12	0.00	18.75	1.25	0.12	0.00
16.20	1.25	0.12	0.00	18.80	1.25	0.12	0.00
16.25	1.25	0.12	0.00	18.85	1.25	0.12	0.00
16.30	1.25	0.12	0.00	18.90	1.25	0.12	0.00
16.35	1.25	0.12	0.00	18.95	1.25	0.12	0.00
16.40	1.25	0.12	0.00	19.00	1.25	0.12	0.00
16.45	1.25	0.12	0.00	19.05	1.25	0.12	0.00
16.50	1.25	0.12	0.00	19.10	1.25	0.12	0.00
16.55	1.25	0.12	0.00	19.15	1.25	0.12	0.00
16.60	1.25	0.12	0.00	19.20	1.25	0.12	0.00
16.65	1.25	0.12	0.00	19.25	1.25	0.12	0.00
16.70	1.25	0.12	0.00	19.30	1.25	0.12	0.00
16.75	1.25	0.12	0.00	19.35	1.25	0.12	0.00
16.80	1.25	0.12	0.00	19.40	1.25	0.12	0.00
16.85	1.25	0.12	0.00	19.45	1.25	0.12	0.00
16.90	1.25	0.12	0.00	19.50	1.25	0.12	0.00
16.95	1.25	0.12	0.00	19.55	1.25	0.12	0.00
17.00	1.25	0.12	0.00	19.60	1.25	0.12	0.00
17.05	1.25	0.12	0.00	19.65	1.25	0.12	0.00
17.10	1.25	0.12	0.00	19.70	1.25	0.12	0.00
17.15	1.25	0.12	0.00	19.75	1.25	0.12	0.00
17.20	1.25	0.12	0.00	19.80	1.25	0.12	0.00
17.25	1.25	0.12	0.00	19.85	1.25	0.12	0.00
17.30	1.25	0.12	0.00	19.90	1.25	0.12	0.00
17.35	1.25	0.12	0.00	19.95	1.25	0.12	0.00
17.40	1.25	0.12	0.00	20.00	1.25	0.12	0.00
17.45	1.25	0.12	0.00	20.05	1.25	0.12	0.00
17.50	1.25	0.12	0.00	20.10	1.25	0.12	0.00
17.55	1.25	0.12	0.00	20.15	1.25	0.12	0.00
17.60	1.25	0.12	0.00	20.20	1.25	0.12	0.00
17.65	1.25	0.12	0.00	20.25	1.25	0.12	0.00
17.70	1.25	0.12	0.00	20.30	1.25	0.12	0.00
17.75	1.25	0.12	0.00	20.35	1.25	0.12	0.00
17.80	1.25	0.12	0.00	20.40	1.25	0.12	0.00
17.85	1.25	0.12	0.00	20.45	1.25	0.12	0.00
17.90	1.25	0.12	0.00	20.50	1.25	0.12	0.00
17.95	1.25	0.12	0.00	20.55	1.25	0.12	0.00
18.00	1.25	0.12	0.00	20.60	1.25	0.12	0.00
18.05	1.25	0.12	0.00	20.65	1.25	0.12	0.00
18.10	1.25	0.12	0.00	20.70	1.25	0.12	0.00
18.15	1.25	0.12	0.00	20.75	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.12	0.00	23.40	1.25	0.12	0.00
20.85	1.25	0.12	0.00	23.45	1.25	0.12	0.00
20.90	1.25	0.12	0.00	23.50	1.25	0.12	0.00
20.95	1.25	0.12	0.00	23.55	1.25	0.12	0.00
21.00	1.25	0.12	0.00	23.60	1.25	0.12	0.00
21.05	1.25	0.12	0.00	23.65	1.25	0.12	0.00
21.10	1.25	0.12	0.00	23.70	1.25	0.12	0.00
21.15	1.25	0.12	0.00	23.75	1.25	0.12	0.00
21.20	1.25	0.12	0.00	23.80	1.25	0.12	0.00
21.25	1.25	0.12	0.00	23.85	1.25	0.12	0.00
21.30	1.25	0.12	0.00	23.90	1.25	0.12	0.00
21.35	1.25	0.12	0.00	23.95	1.25	0.12	0.00
21.40	1.25	0.12	0.00	24.00	1.25	0.12	0.00
21.45	1.25	0.12	0.00	24.05	1.25	0.12	0.00
21.50	1.25	0.12	0.00	24.10	1.25	0.12	0.00
21.55	1.25	0.12	0.00	24.15	1.25	0.12	0.00
21.60	1.25	0.12	0.00	24.20	1.25	0.12	0.00
21.65	1.25	0.12	0.00	24.25	1.25	0.12	0.00
21.70	1.25	0.12	0.00	24.30	1.25	0.12	0.00
21.75	1.25	0.12	0.00	24.35	1.25	0.12	0.00
21.80	1.25	0.12	0.00	24.40	1.25	0.12	0.00
21.85	1.25	0.12	0.00	24.45	1.25	0.12	0.00
21.90	1.25	0.12	0.00	24.50	1.25	0.12	0.00
21.95	1.25	0.12	0.00	24.55	1.25	0.12	0.00
22.00	1.25	0.12	0.00	24.60	1.25	0.12	0.00
22.05	1.25	0.12	0.00	24.65	1.25	0.12	0.00
22.10	1.25	0.12	0.00	24.70	1.25	0.12	0.00
22.15	1.25	0.12	0.00	24.75	1.25	0.12	0.00
22.20	1.25	0.12	0.00	24.80	1.25	0.12	0.00
22.25	1.25	0.12	0.00	24.85	1.25	0.12	0.00
22.30	1.25	0.12	0.00	24.90	1.25	0.12	0.00
22.35	1.25	0.12	0.00	24.95	1.25	0.12	0.00
22.40	1.25	0.12	0.00	25.00	1.25	0.12	0.00
22.45	1.25	0.12	0.00	25.05	1.25	0.12	0.00
22.50	1.25	0.12	0.00	25.10	1.25	0.12	0.00
22.55	1.25	0.12	0.00	25.15	1.25	0.12	0.00
22.60	1.25	0.12	0.00	25.20	1.25	0.12	0.00
22.65	1.25	0.12	0.00	25.25	1.25	0.12	0.00
22.70	1.25	0.12	0.00	25.30	1.25	0.12	0.00
22.75	1.25	0.12	0.00	25.35	1.25	0.12	0.00
22.80	1.25	0.12	0.00	25.40	1.25	0.12	0.00
22.85	1.25	0.12	0.00	25.45	1.25	0.12	0.00
22.90	1.25	0.12	0.00	25.50	1.25	0.12	0.00
22.95	1.25	0.12	0.00	25.55	1.25	0.12	0.00
23.00	1.25	0.12	0.00	25.60	1.25	0.12	0.00
23.05	1.25	0.12	0.00	25.65	1.25	0.12	0.00
23.10	1.25	0.12	0.00	25.70	1.25	0.12	0.00
23.15	1.25	0.12	0.00	25.75	1.25	0.12	0.00
23.20	1.25	0.12	0.00	25.80	1.25	0.12	0.00
23.25	1.25	0.12	0.00	25.85	1.25	0.12	0.00
23.30	1.25	0.12	0.00	25.90	1.25	0.12	0.00
23.35	1.25	0.12	0.00	25.95	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.12	0.00	28.60	1.25	0.12	0.00
26.05	1.25	0.12	0.00	28.65	1.25	0.12	0.00
26.10	1.25	0.12	0.00	28.70	1.25	0.12	0.00
26.15	1.25	0.12	0.00	28.75	1.25	0.12	0.00
26.20	1.25	0.12	0.00	28.80	1.25	0.12	0.00
26.25	1.25	0.12	0.00	28.85	1.25	0.12	0.00
26.30	1.25	0.12	0.00	28.90	1.25	0.12	0.00
26.35	1.25	0.12	0.00	28.95	1.25	0.12	0.00
26.40	1.25	0.12	0.00	29.00	1.25	0.12	0.00
26.45	1.25	0.12	0.00	29.05	1.25	0.12	0.00
26.50	1.25	0.12	0.00	29.10	1.25	0.12	0.00
26.55	1.25	0.12	0.00	29.15	1.25	0.12	0.00
26.60	1.25	0.12	0.00	29.20	1.25	0.12	0.00
26.65	1.25	0.12	0.00	29.25	1.25	0.12	0.00
26.70	1.25	0.12	0.00	29.30	1.25	0.12	0.00
26.75	1.25	0.12	0.00	29.35	1.25	0.12	0.00
26.80	1.25	0.12	0.00	29.40	1.25	0.12	0.00
26.85	1.25	0.12	0.00	29.45	1.25	0.12	0.00
26.90	1.25	0.12	0.00	29.50	1.25	0.12	0.00
26.95	1.25	0.12	0.00	29.55	1.25	0.12	0.00
27.00	1.25	0.12	0.00	29.60	1.25	0.12	0.00
27.05	1.25	0.12	0.00	29.65	1.25	0.12	0.00
27.10	1.25	0.12	0.00	29.70	1.25	0.12	0.00
27.15	1.25	0.12	0.00	29.75	1.25	0.12	0.00
27.20	1.25	0.12	0.00	29.80	1.25	0.12	0.00
27.25	1.25	0.12	0.00	29.85	1.25	0.12	0.00
27.30	1.25	0.12	0.00	29.90	1.25	0.12	0.00
27.35	1.25	0.12	0.00	29.95	1.25	0.12	0.00
27.40	1.25	0.12	0.00	30.00	1.25	0.12	0.00
27.45	1.25	0.12	0.00	30.05	1.25	0.12	0.00
27.50	1.25	0.12	0.00	30.10	1.25	0.12	0.00
27.55	1.25	0.12	0.00	30.15	1.25	0.12	0.00
27.60	1.25	0.12	0.00	30.20	1.25	0.12	0.00
27.65	1.25	0.12	0.00	30.25	1.25	0.12	0.00
27.70	1.25	0.12	0.00	30.30	1.25	0.12	0.00
27.75	1.25	0.12	0.00	30.35	1.25	0.12	0.00
27.80	1.25	0.12	0.00	30.40	1.25	0.12	0.00
27.85	1.25	0.12	0.00	30.45	1.25	0.12	0.00
27.90	1.25	0.12	0.00	30.50	1.25	0.12	0.00
27.95	1.25	0.12	0.00	30.55	1.25	0.12	0.00
28.00	1.25	0.12	0.00	30.60	1.25	0.12	0.00
28.05	1.25	0.12	0.00	30.65	1.25	0.12	0.00
28.10	1.25	0.12	0.00	30.70	1.25	0.12	0.00
28.15	1.25	0.12	0.00	30.75	1.25	0.12	0.00
28.20	1.25	0.12	0.00	30.80	1.25	0.12	0.00
28.25	1.25	0.12	0.00	30.85	1.25	0.12	0.00
28.30	1.25	0.12	0.00	30.90	1.25	0.12	0.00
28.35	1.25	0.12	0.00	30.95	1.25	0.12	0.00
28.40	1.25	0.12	0.00	31.00	1.25	0.12	0.00
28.45	1.25	0.12	0.00	31.05	1.25	0.12	0.00
28.50	1.25	0.12	0.00	31.10	1.25	0.12	0.00
28.55	1.25	0.12	0.00	31.15	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.12	0.00	33.80	1.25	0.12	0.00
31.25	1.25	0.12	0.00	33.85	1.25	0.12	0.00
31.30	1.25	0.12	0.00	33.90	1.25	0.12	0.00
31.35	1.25	0.12	0.00	33.95	1.25	0.12	0.00
31.40	1.25	0.12	0.00	34.00	1.25	0.12	0.00
31.45	1.25	0.12	0.00	34.05	1.25	0.12	0.00
31.50	1.25	0.12	0.00	34.10	1.25	0.12	0.00
31.55	1.25	0.12	0.00	34.15	1.25	0.12	0.00
31.60	1.25	0.12	0.00	34.20	1.25	0.12	0.00
31.65	1.25	0.12	0.00	34.25	1.25	0.12	0.00
31.70	1.25	0.12	0.00	34.30	1.25	0.12	0.00
31.75	1.25	0.12	0.00	34.35	1.25	0.12	0.00
31.80	1.25	0.12	0.00	34.40	1.25	0.12	0.00
31.85	1.25	0.12	0.00	34.45	1.25	0.12	0.00
31.90	1.25	0.12	0.00	34.50	1.25	0.12	0.00
31.95	1.25	0.12	0.00	34.55	1.25	0.12	0.00
32.00	1.25	0.12	0.00	34.60	1.25	0.12	0.00
32.05	1.25	0.12	0.00	34.65	1.25	0.12	0.00
32.10	1.25	0.12	0.00	34.70	1.25	0.12	0.00
32.15	1.25	0.12	0.00	34.75	1.25	0.12	0.00
32.20	1.25	0.12	0.00	34.80	1.25	0.12	0.00
32.25	1.25	0.12	0.00	34.85	1.25	0.12	0.00
32.30	1.25	0.12	0.00	34.90	1.25	0.12	0.00
32.35	1.25	0.12	0.00	34.95	1.25	0.12	0.00
32.40	1.25	0.12	0.00	35.00	1.25	0.12	0.00
32.45	1.25	0.12	0.00	35.05	1.25	0.12	0.00
32.50	1.25	0.12	0.00	35.10	1.25	0.12	0.00
32.55	1.25	0.12	0.00	35.15	1.25	0.12	0.00
32.60	1.25	0.12	0.00	35.20	1.25	0.12	0.00
32.65	1.25	0.12	0.00	35.25	1.25	0.12	0.00
32.70	1.25	0.12	0.00	35.30	1.25	0.12	0.00
32.75	1.25	0.12	0.00	35.35	1.25	0.12	0.00
32.80	1.25	0.12	0.00	35.40	1.25	0.12	0.00
32.85	1.25	0.12	0.00	35.45	1.25	0.12	0.00
32.90	1.25	0.12	0.00	35.50	1.25	0.12	0.00
32.95	1.25	0.12	0.00	35.55	1.25	0.12	0.00
33.00	1.25	0.12	0.00	35.60	1.25	0.12	0.00
33.05	1.25	0.12	0.00	35.65	1.25	0.12	0.00
33.10	1.25	0.12	0.00	35.70	1.25	0.12	0.00
33.15	1.25	0.12	0.00	35.75	1.25	0.12	0.00
33.20	1.25	0.12	0.00	35.80	1.25	0.12	0.00
33.25	1.25	0.12	0.00	35.85	1.25	0.12	0.00
33.30	1.25	0.12	0.00	35.90	1.25	0.12	0.00
33.35	1.25	0.12	0.00	35.95	1.25	0.12	0.00
33.40	1.25	0.12	0.00	36.00	1.25	0.12	0.00
33.45	1.25	0.12	0.00	36.05	1.25	0.12	0.00
33.50	1.25	0.12	0.00	36.10	1.25	0.12	0.00
33.55	1.25	0.12	0.00	36.15	1.25	0.12	0.00
33.60	1.25	0.12	0.00	36.20	1.25	0.12	0.00
33.65	1.25	0.12	0.00	36.25	1.25	0.12	0.00
33.70	1.25	0.12	0.00	36.30	1.25	0.12	0.00
33.75	1.25	0.12	0.00	36.35	1.25	0.12	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.12	0.00	39.00	1.25	0.12	0.00
36.45	1.25	0.12	0.00	39.05	1.25	0.12	0.00
36.50	1.25	0.12	0.00	39.10	1.25	0.12	0.00
36.55	1.25	0.12	0.00	39.15	1.25	0.12	0.00
36.60	1.25	0.12	0.00	39.20	1.25	0.12	0.00
36.65	1.25	0.12	0.00	39.25	1.25	0.12	0.00
36.70	1.25	0.12	0.00	39.30	1.25	0.12	0.00
36.75	1.25	0.12	0.00	39.35	1.25	0.12	0.00
36.80	1.25	0.12	0.00	39.40	1.25	0.12	0.00
36.85	1.25	0.12	0.00	39.45	1.25	0.12	0.00
36.90	1.25	0.12	0.00	39.50	1.25	0.12	0.00
36.95	1.25	0.12	0.00	39.55	1.25	0.12	0.00
37.00	1.25	0.12	0.00	39.60	1.25	0.12	0.00
37.05	1.25	0.12	0.00	39.65	1.25	0.12	0.00
37.10	1.25	0.12	0.00	39.70	1.25	0.12	0.00
37.15	1.25	0.12	0.00	39.75	1.25	0.12	0.00
37.20	1.25	0.12	0.00	39.80	1.25	0.12	0.00
37.25	1.25	0.12	0.00	39.85	1.25	0.12	0.00
37.30	1.25	0.12	0.00	39.90	1.25	0.12	0.00
37.35	1.25	0.12	0.00	39.95	1.25	0.12	0.00
37.40	1.25	0.12	0.00	40.00	1.25	0.12	0.00
37.45	1.25	0.12	0.00				
37.50	1.25	0.12	0.00				
37.55	1.25	0.12	0.00				
37.60	1.25	0.12	0.00				
37.65	1.25	0.12	0.00				
37.70	1.25	0.12	0.00				
37.75	1.25	0.12	0.00				
37.80	1.25	0.12	0.00				
37.85	1.25	0.12	0.00				
37.90	1.25	0.12	0.00				
37.95	1.25	0.12	0.00				
38.00	1.25	0.12	0.00				
38.05	1.25	0.12	0.00				
38.10	1.25	0.12	0.00				
38.15	1.25	0.12	0.00				
38.20	1.25	0.12	0.00				
38.25	1.25	0.12	0.00				
38.30	1.25	0.12	0.00				
38.35	1.25	0.12	0.00				
38.40	1.25	0.12	0.00				
38.45	1.25	0.12	0.00				
38.50	1.25	0.12	0.00				
38.55	1.25	0.12	0.00				
38.60	1.25	0.12	0.00				
38.65	1.25	0.12	0.00				
38.70	1.25	0.12	0.00				
38.75	1.25	0.12	0.00				
38.80	1.25	0.12	0.00				
38.85	1.25	0.12	0.00				
38.90	1.25	0.12	0.00				
38.95	1.25	0.12	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 6.60 cfs @ 1.11 hrs, Volume= 0.187 af, Depth= 0.10"

Routed to Link XDA-3 : Existing Drainage Area #3

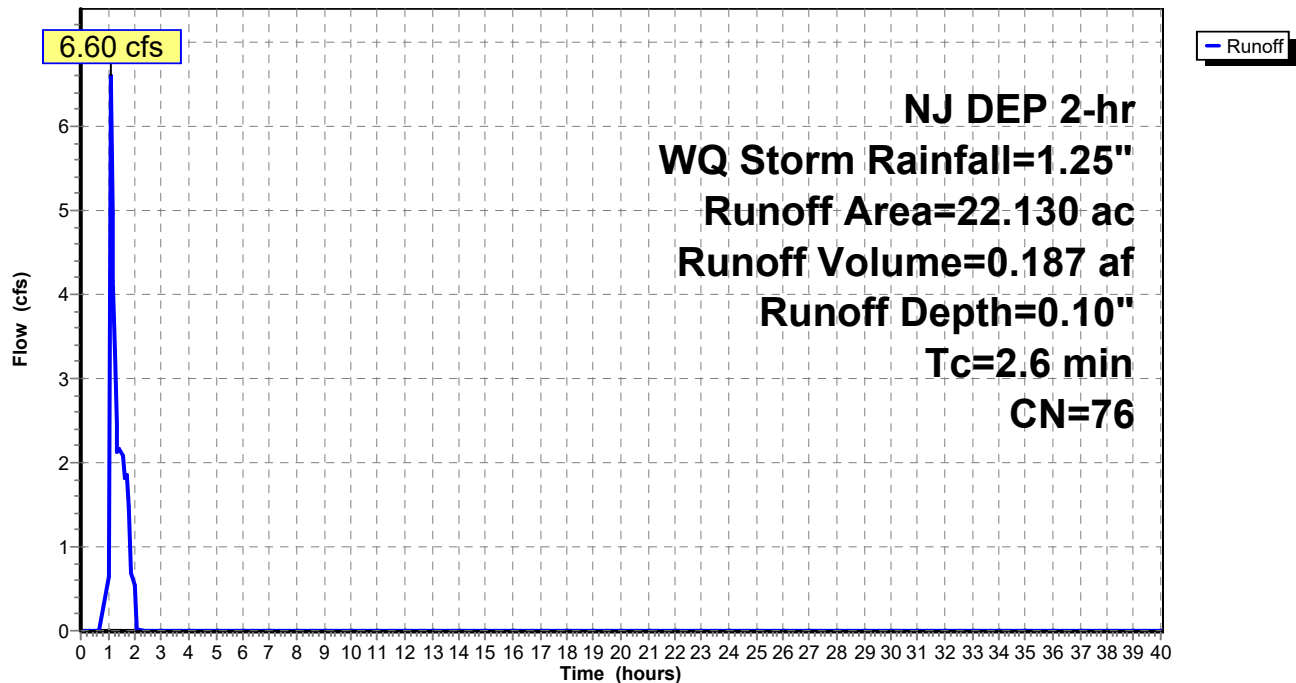
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.10	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.10	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.10	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.10	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.10	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.10	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.10	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.10	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.10	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.10	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.10	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.10	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.10	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.10	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.10	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.10	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.10	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.10	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.10	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.10	0.00
1.00	0.63	0.00	0.01	3.60	1.25	0.10	0.00
1.05	0.79	0.01	1.94	3.65	1.25	0.10	0.00
1.10	0.91	0.02	6.41	3.70	1.25	0.10	0.00
1.15	0.97	0.03	4.95	3.75	1.25	0.10	0.00
1.20	1.02	0.04	4.17	3.80	1.25	0.10	0.00
1.25	1.05	0.05	3.30	3.85	1.25	0.10	0.00
1.30	1.07	0.05	2.45	3.90	1.25	0.10	0.00
1.35	1.09	0.06	2.12	3.95	1.25	0.10	0.00
1.40	1.11	0.06	2.12	4.00	1.25	0.10	0.00
1.45	1.13	0.07	2.19	4.05	1.25	0.10	0.00
1.50	1.15	0.07	2.24	4.10	1.25	0.10	0.00
1.55	1.17	0.08	1.93	4.15	1.25	0.10	0.00
1.60	1.18	0.08	1.81	4.20	1.25	0.10	0.00
1.65	1.20	0.09	1.84	4.25	1.25	0.10	0.00
1.70	1.21	0.09	1.88	4.30	1.25	0.10	0.00
1.75	1.23	0.09	1.89	4.35	1.25	0.10	0.00
1.80	1.23	0.10	1.05	4.40	1.25	0.10	0.00
1.85	1.24	0.10	0.68	4.45	1.25	0.10	0.00
1.90	1.24	0.10	0.66	4.50	1.25	0.10	0.00
1.95	1.25	0.10	0.66	4.55	1.25	0.10	0.00
2.00	1.25	0.10	0.65	4.60	1.25	0.10	0.00
2.05	1.25	0.10	0.21	4.65	1.25	0.10	0.00
2.10	1.25	0.10	0.01	4.70	1.25	0.10	0.00
2.15	1.25	0.10	0.00	4.75	1.25	0.10	0.00
2.20	1.25	0.10	0.00	4.80	1.25	0.10	0.00
2.25	1.25	0.10	0.00	4.85	1.25	0.10	0.00
2.30	1.25	0.10	0.00	4.90	1.25	0.10	0.00
2.35	1.25	0.10	0.00	4.95	1.25	0.10	0.00
2.40	1.25	0.10	0.00	5.00	1.25	0.10	0.00
2.45	1.25	0.10	0.00	5.05	1.25	0.10	0.00
2.50	1.25	0.10	0.00	5.10	1.25	0.10	0.00
2.55	1.25	0.10	0.00	5.15	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.10	0.00	7.80	1.25	0.10	0.00
5.25	1.25	0.10	0.00	7.85	1.25	0.10	0.00
5.30	1.25	0.10	0.00	7.90	1.25	0.10	0.00
5.35	1.25	0.10	0.00	7.95	1.25	0.10	0.00
5.40	1.25	0.10	0.00	8.00	1.25	0.10	0.00
5.45	1.25	0.10	0.00	8.05	1.25	0.10	0.00
5.50	1.25	0.10	0.00	8.10	1.25	0.10	0.00
5.55	1.25	0.10	0.00	8.15	1.25	0.10	0.00
5.60	1.25	0.10	0.00	8.20	1.25	0.10	0.00
5.65	1.25	0.10	0.00	8.25	1.25	0.10	0.00
5.70	1.25	0.10	0.00	8.30	1.25	0.10	0.00
5.75	1.25	0.10	0.00	8.35	1.25	0.10	0.00
5.80	1.25	0.10	0.00	8.40	1.25	0.10	0.00
5.85	1.25	0.10	0.00	8.45	1.25	0.10	0.00
5.90	1.25	0.10	0.00	8.50	1.25	0.10	0.00
5.95	1.25	0.10	0.00	8.55	1.25	0.10	0.00
6.00	1.25	0.10	0.00	8.60	1.25	0.10	0.00
6.05	1.25	0.10	0.00	8.65	1.25	0.10	0.00
6.10	1.25	0.10	0.00	8.70	1.25	0.10	0.00
6.15	1.25	0.10	0.00	8.75	1.25	0.10	0.00
6.20	1.25	0.10	0.00	8.80	1.25	0.10	0.00
6.25	1.25	0.10	0.00	8.85	1.25	0.10	0.00
6.30	1.25	0.10	0.00	8.90	1.25	0.10	0.00
6.35	1.25	0.10	0.00	8.95	1.25	0.10	0.00
6.40	1.25	0.10	0.00	9.00	1.25	0.10	0.00
6.45	1.25	0.10	0.00	9.05	1.25	0.10	0.00
6.50	1.25	0.10	0.00	9.10	1.25	0.10	0.00
6.55	1.25	0.10	0.00	9.15	1.25	0.10	0.00
6.60	1.25	0.10	0.00	9.20	1.25	0.10	0.00
6.65	1.25	0.10	0.00	9.25	1.25	0.10	0.00
6.70	1.25	0.10	0.00	9.30	1.25	0.10	0.00
6.75	1.25	0.10	0.00	9.35	1.25	0.10	0.00
6.80	1.25	0.10	0.00	9.40	1.25	0.10	0.00
6.85	1.25	0.10	0.00	9.45	1.25	0.10	0.00
6.90	1.25	0.10	0.00	9.50	1.25	0.10	0.00
6.95	1.25	0.10	0.00	9.55	1.25	0.10	0.00
7.00	1.25	0.10	0.00	9.60	1.25	0.10	0.00
7.05	1.25	0.10	0.00	9.65	1.25	0.10	0.00
7.10	1.25	0.10	0.00	9.70	1.25	0.10	0.00
7.15	1.25	0.10	0.00	9.75	1.25	0.10	0.00
7.20	1.25	0.10	0.00	9.80	1.25	0.10	0.00
7.25	1.25	0.10	0.00	9.85	1.25	0.10	0.00
7.30	1.25	0.10	0.00	9.90	1.25	0.10	0.00
7.35	1.25	0.10	0.00	9.95	1.25	0.10	0.00
7.40	1.25	0.10	0.00	10.00	1.25	0.10	0.00
7.45	1.25	0.10	0.00	10.05	1.25	0.10	0.00
7.50	1.25	0.10	0.00	10.10	1.25	0.10	0.00
7.55	1.25	0.10	0.00	10.15	1.25	0.10	0.00
7.60	1.25	0.10	0.00	10.20	1.25	0.10	0.00
7.65	1.25	0.10	0.00	10.25	1.25	0.10	0.00
7.70	1.25	0.10	0.00	10.30	1.25	0.10	0.00
7.75	1.25	0.10	0.00	10.35	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.10	0.00	13.00	1.25	0.10	0.00
10.45	1.25	0.10	0.00	13.05	1.25	0.10	0.00
10.50	1.25	0.10	0.00	13.10	1.25	0.10	0.00
10.55	1.25	0.10	0.00	13.15	1.25	0.10	0.00
10.60	1.25	0.10	0.00	13.20	1.25	0.10	0.00
10.65	1.25	0.10	0.00	13.25	1.25	0.10	0.00
10.70	1.25	0.10	0.00	13.30	1.25	0.10	0.00
10.75	1.25	0.10	0.00	13.35	1.25	0.10	0.00
10.80	1.25	0.10	0.00	13.40	1.25	0.10	0.00
10.85	1.25	0.10	0.00	13.45	1.25	0.10	0.00
10.90	1.25	0.10	0.00	13.50	1.25	0.10	0.00
10.95	1.25	0.10	0.00	13.55	1.25	0.10	0.00
11.00	1.25	0.10	0.00	13.60	1.25	0.10	0.00
11.05	1.25	0.10	0.00	13.65	1.25	0.10	0.00
11.10	1.25	0.10	0.00	13.70	1.25	0.10	0.00
11.15	1.25	0.10	0.00	13.75	1.25	0.10	0.00
11.20	1.25	0.10	0.00	13.80	1.25	0.10	0.00
11.25	1.25	0.10	0.00	13.85	1.25	0.10	0.00
11.30	1.25	0.10	0.00	13.90	1.25	0.10	0.00
11.35	1.25	0.10	0.00	13.95	1.25	0.10	0.00
11.40	1.25	0.10	0.00	14.00	1.25	0.10	0.00
11.45	1.25	0.10	0.00	14.05	1.25	0.10	0.00
11.50	1.25	0.10	0.00	14.10	1.25	0.10	0.00
11.55	1.25	0.10	0.00	14.15	1.25	0.10	0.00
11.60	1.25	0.10	0.00	14.20	1.25	0.10	0.00
11.65	1.25	0.10	0.00	14.25	1.25	0.10	0.00
11.70	1.25	0.10	0.00	14.30	1.25	0.10	0.00
11.75	1.25	0.10	0.00	14.35	1.25	0.10	0.00
11.80	1.25	0.10	0.00	14.40	1.25	0.10	0.00
11.85	1.25	0.10	0.00	14.45	1.25	0.10	0.00
11.90	1.25	0.10	0.00	14.50	1.25	0.10	0.00
11.95	1.25	0.10	0.00	14.55	1.25	0.10	0.00
12.00	1.25	0.10	0.00	14.60	1.25	0.10	0.00
12.05	1.25	0.10	0.00	14.65	1.25	0.10	0.00
12.10	1.25	0.10	0.00	14.70	1.25	0.10	0.00
12.15	1.25	0.10	0.00	14.75	1.25	0.10	0.00
12.20	1.25	0.10	0.00	14.80	1.25	0.10	0.00
12.25	1.25	0.10	0.00	14.85	1.25	0.10	0.00
12.30	1.25	0.10	0.00	14.90	1.25	0.10	0.00
12.35	1.25	0.10	0.00	14.95	1.25	0.10	0.00
12.40	1.25	0.10	0.00	15.00	1.25	0.10	0.00
12.45	1.25	0.10	0.00	15.05	1.25	0.10	0.00
12.50	1.25	0.10	0.00	15.10	1.25	0.10	0.00
12.55	1.25	0.10	0.00	15.15	1.25	0.10	0.00
12.60	1.25	0.10	0.00	15.20	1.25	0.10	0.00
12.65	1.25	0.10	0.00	15.25	1.25	0.10	0.00
12.70	1.25	0.10	0.00	15.30	1.25	0.10	0.00
12.75	1.25	0.10	0.00	15.35	1.25	0.10	0.00
12.80	1.25	0.10	0.00	15.40	1.25	0.10	0.00
12.85	1.25	0.10	0.00	15.45	1.25	0.10	0.00
12.90	1.25	0.10	0.00	15.50	1.25	0.10	0.00
12.95	1.25	0.10	0.00	15.55	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.10	0.00	18.20	1.25	0.10	0.00
15.65	1.25	0.10	0.00	18.25	1.25	0.10	0.00
15.70	1.25	0.10	0.00	18.30	1.25	0.10	0.00
15.75	1.25	0.10	0.00	18.35	1.25	0.10	0.00
15.80	1.25	0.10	0.00	18.40	1.25	0.10	0.00
15.85	1.25	0.10	0.00	18.45	1.25	0.10	0.00
15.90	1.25	0.10	0.00	18.50	1.25	0.10	0.00
15.95	1.25	0.10	0.00	18.55	1.25	0.10	0.00
16.00	1.25	0.10	0.00	18.60	1.25	0.10	0.00
16.05	1.25	0.10	0.00	18.65	1.25	0.10	0.00
16.10	1.25	0.10	0.00	18.70	1.25	0.10	0.00
16.15	1.25	0.10	0.00	18.75	1.25	0.10	0.00
16.20	1.25	0.10	0.00	18.80	1.25	0.10	0.00
16.25	1.25	0.10	0.00	18.85	1.25	0.10	0.00
16.30	1.25	0.10	0.00	18.90	1.25	0.10	0.00
16.35	1.25	0.10	0.00	18.95	1.25	0.10	0.00
16.40	1.25	0.10	0.00	19.00	1.25	0.10	0.00
16.45	1.25	0.10	0.00	19.05	1.25	0.10	0.00
16.50	1.25	0.10	0.00	19.10	1.25	0.10	0.00
16.55	1.25	0.10	0.00	19.15	1.25	0.10	0.00
16.60	1.25	0.10	0.00	19.20	1.25	0.10	0.00
16.65	1.25	0.10	0.00	19.25	1.25	0.10	0.00
16.70	1.25	0.10	0.00	19.30	1.25	0.10	0.00
16.75	1.25	0.10	0.00	19.35	1.25	0.10	0.00
16.80	1.25	0.10	0.00	19.40	1.25	0.10	0.00
16.85	1.25	0.10	0.00	19.45	1.25	0.10	0.00
16.90	1.25	0.10	0.00	19.50	1.25	0.10	0.00
16.95	1.25	0.10	0.00	19.55	1.25	0.10	0.00
17.00	1.25	0.10	0.00	19.60	1.25	0.10	0.00
17.05	1.25	0.10	0.00	19.65	1.25	0.10	0.00
17.10	1.25	0.10	0.00	19.70	1.25	0.10	0.00
17.15	1.25	0.10	0.00	19.75	1.25	0.10	0.00
17.20	1.25	0.10	0.00	19.80	1.25	0.10	0.00
17.25	1.25	0.10	0.00	19.85	1.25	0.10	0.00
17.30	1.25	0.10	0.00	19.90	1.25	0.10	0.00
17.35	1.25	0.10	0.00	19.95	1.25	0.10	0.00
17.40	1.25	0.10	0.00	20.00	1.25	0.10	0.00
17.45	1.25	0.10	0.00	20.05	1.25	0.10	0.00
17.50	1.25	0.10	0.00	20.10	1.25	0.10	0.00
17.55	1.25	0.10	0.00	20.15	1.25	0.10	0.00
17.60	1.25	0.10	0.00	20.20	1.25	0.10	0.00
17.65	1.25	0.10	0.00	20.25	1.25	0.10	0.00
17.70	1.25	0.10	0.00	20.30	1.25	0.10	0.00
17.75	1.25	0.10	0.00	20.35	1.25	0.10	0.00
17.80	1.25	0.10	0.00	20.40	1.25	0.10	0.00
17.85	1.25	0.10	0.00	20.45	1.25	0.10	0.00
17.90	1.25	0.10	0.00	20.50	1.25	0.10	0.00
17.95	1.25	0.10	0.00	20.55	1.25	0.10	0.00
18.00	1.25	0.10	0.00	20.60	1.25	0.10	0.00
18.05	1.25	0.10	0.00	20.65	1.25	0.10	0.00
18.10	1.25	0.10	0.00	20.70	1.25	0.10	0.00
18.15	1.25	0.10	0.00	20.75	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.10	0.00	23.40	1.25	0.10	0.00
20.85	1.25	0.10	0.00	23.45	1.25	0.10	0.00
20.90	1.25	0.10	0.00	23.50	1.25	0.10	0.00
20.95	1.25	0.10	0.00	23.55	1.25	0.10	0.00
21.00	1.25	0.10	0.00	23.60	1.25	0.10	0.00
21.05	1.25	0.10	0.00	23.65	1.25	0.10	0.00
21.10	1.25	0.10	0.00	23.70	1.25	0.10	0.00
21.15	1.25	0.10	0.00	23.75	1.25	0.10	0.00
21.20	1.25	0.10	0.00	23.80	1.25	0.10	0.00
21.25	1.25	0.10	0.00	23.85	1.25	0.10	0.00
21.30	1.25	0.10	0.00	23.90	1.25	0.10	0.00
21.35	1.25	0.10	0.00	23.95	1.25	0.10	0.00
21.40	1.25	0.10	0.00	24.00	1.25	0.10	0.00
21.45	1.25	0.10	0.00	24.05	1.25	0.10	0.00
21.50	1.25	0.10	0.00	24.10	1.25	0.10	0.00
21.55	1.25	0.10	0.00	24.15	1.25	0.10	0.00
21.60	1.25	0.10	0.00	24.20	1.25	0.10	0.00
21.65	1.25	0.10	0.00	24.25	1.25	0.10	0.00
21.70	1.25	0.10	0.00	24.30	1.25	0.10	0.00
21.75	1.25	0.10	0.00	24.35	1.25	0.10	0.00
21.80	1.25	0.10	0.00	24.40	1.25	0.10	0.00
21.85	1.25	0.10	0.00	24.45	1.25	0.10	0.00
21.90	1.25	0.10	0.00	24.50	1.25	0.10	0.00
21.95	1.25	0.10	0.00	24.55	1.25	0.10	0.00
22.00	1.25	0.10	0.00	24.60	1.25	0.10	0.00
22.05	1.25	0.10	0.00	24.65	1.25	0.10	0.00
22.10	1.25	0.10	0.00	24.70	1.25	0.10	0.00
22.15	1.25	0.10	0.00	24.75	1.25	0.10	0.00
22.20	1.25	0.10	0.00	24.80	1.25	0.10	0.00
22.25	1.25	0.10	0.00	24.85	1.25	0.10	0.00
22.30	1.25	0.10	0.00	24.90	1.25	0.10	0.00
22.35	1.25	0.10	0.00	24.95	1.25	0.10	0.00
22.40	1.25	0.10	0.00	25.00	1.25	0.10	0.00
22.45	1.25	0.10	0.00	25.05	1.25	0.10	0.00
22.50	1.25	0.10	0.00	25.10	1.25	0.10	0.00
22.55	1.25	0.10	0.00	25.15	1.25	0.10	0.00
22.60	1.25	0.10	0.00	25.20	1.25	0.10	0.00
22.65	1.25	0.10	0.00	25.25	1.25	0.10	0.00
22.70	1.25	0.10	0.00	25.30	1.25	0.10	0.00
22.75	1.25	0.10	0.00	25.35	1.25	0.10	0.00
22.80	1.25	0.10	0.00	25.40	1.25	0.10	0.00
22.85	1.25	0.10	0.00	25.45	1.25	0.10	0.00
22.90	1.25	0.10	0.00	25.50	1.25	0.10	0.00
22.95	1.25	0.10	0.00	25.55	1.25	0.10	0.00
23.00	1.25	0.10	0.00	25.60	1.25	0.10	0.00
23.05	1.25	0.10	0.00	25.65	1.25	0.10	0.00
23.10	1.25	0.10	0.00	25.70	1.25	0.10	0.00
23.15	1.25	0.10	0.00	25.75	1.25	0.10	0.00
23.20	1.25	0.10	0.00	25.80	1.25	0.10	0.00
23.25	1.25	0.10	0.00	25.85	1.25	0.10	0.00
23.30	1.25	0.10	0.00	25.90	1.25	0.10	0.00
23.35	1.25	0.10	0.00	25.95	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.10	0.00	28.60	1.25	0.10	0.00
26.05	1.25	0.10	0.00	28.65	1.25	0.10	0.00
26.10	1.25	0.10	0.00	28.70	1.25	0.10	0.00
26.15	1.25	0.10	0.00	28.75	1.25	0.10	0.00
26.20	1.25	0.10	0.00	28.80	1.25	0.10	0.00
26.25	1.25	0.10	0.00	28.85	1.25	0.10	0.00
26.30	1.25	0.10	0.00	28.90	1.25	0.10	0.00
26.35	1.25	0.10	0.00	28.95	1.25	0.10	0.00
26.40	1.25	0.10	0.00	29.00	1.25	0.10	0.00
26.45	1.25	0.10	0.00	29.05	1.25	0.10	0.00
26.50	1.25	0.10	0.00	29.10	1.25	0.10	0.00
26.55	1.25	0.10	0.00	29.15	1.25	0.10	0.00
26.60	1.25	0.10	0.00	29.20	1.25	0.10	0.00
26.65	1.25	0.10	0.00	29.25	1.25	0.10	0.00
26.70	1.25	0.10	0.00	29.30	1.25	0.10	0.00
26.75	1.25	0.10	0.00	29.35	1.25	0.10	0.00
26.80	1.25	0.10	0.00	29.40	1.25	0.10	0.00
26.85	1.25	0.10	0.00	29.45	1.25	0.10	0.00
26.90	1.25	0.10	0.00	29.50	1.25	0.10	0.00
26.95	1.25	0.10	0.00	29.55	1.25	0.10	0.00
27.00	1.25	0.10	0.00	29.60	1.25	0.10	0.00
27.05	1.25	0.10	0.00	29.65	1.25	0.10	0.00
27.10	1.25	0.10	0.00	29.70	1.25	0.10	0.00
27.15	1.25	0.10	0.00	29.75	1.25	0.10	0.00
27.20	1.25	0.10	0.00	29.80	1.25	0.10	0.00
27.25	1.25	0.10	0.00	29.85	1.25	0.10	0.00
27.30	1.25	0.10	0.00	29.90	1.25	0.10	0.00
27.35	1.25	0.10	0.00	29.95	1.25	0.10	0.00
27.40	1.25	0.10	0.00	30.00	1.25	0.10	0.00
27.45	1.25	0.10	0.00	30.05	1.25	0.10	0.00
27.50	1.25	0.10	0.00	30.10	1.25	0.10	0.00
27.55	1.25	0.10	0.00	30.15	1.25	0.10	0.00
27.60	1.25	0.10	0.00	30.20	1.25	0.10	0.00
27.65	1.25	0.10	0.00	30.25	1.25	0.10	0.00
27.70	1.25	0.10	0.00	30.30	1.25	0.10	0.00
27.75	1.25	0.10	0.00	30.35	1.25	0.10	0.00
27.80	1.25	0.10	0.00	30.40	1.25	0.10	0.00
27.85	1.25	0.10	0.00	30.45	1.25	0.10	0.00
27.90	1.25	0.10	0.00	30.50	1.25	0.10	0.00
27.95	1.25	0.10	0.00	30.55	1.25	0.10	0.00
28.00	1.25	0.10	0.00	30.60	1.25	0.10	0.00
28.05	1.25	0.10	0.00	30.65	1.25	0.10	0.00
28.10	1.25	0.10	0.00	30.70	1.25	0.10	0.00
28.15	1.25	0.10	0.00	30.75	1.25	0.10	0.00
28.20	1.25	0.10	0.00	30.80	1.25	0.10	0.00
28.25	1.25	0.10	0.00	30.85	1.25	0.10	0.00
28.30	1.25	0.10	0.00	30.90	1.25	0.10	0.00
28.35	1.25	0.10	0.00	30.95	1.25	0.10	0.00
28.40	1.25	0.10	0.00	31.00	1.25	0.10	0.00
28.45	1.25	0.10	0.00	31.05	1.25	0.10	0.00
28.50	1.25	0.10	0.00	31.10	1.25	0.10	0.00
28.55	1.25	0.10	0.00	31.15	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.10	0.00	33.80	1.25	0.10	0.00
31.25	1.25	0.10	0.00	33.85	1.25	0.10	0.00
31.30	1.25	0.10	0.00	33.90	1.25	0.10	0.00
31.35	1.25	0.10	0.00	33.95	1.25	0.10	0.00
31.40	1.25	0.10	0.00	34.00	1.25	0.10	0.00
31.45	1.25	0.10	0.00	34.05	1.25	0.10	0.00
31.50	1.25	0.10	0.00	34.10	1.25	0.10	0.00
31.55	1.25	0.10	0.00	34.15	1.25	0.10	0.00
31.60	1.25	0.10	0.00	34.20	1.25	0.10	0.00
31.65	1.25	0.10	0.00	34.25	1.25	0.10	0.00
31.70	1.25	0.10	0.00	34.30	1.25	0.10	0.00
31.75	1.25	0.10	0.00	34.35	1.25	0.10	0.00
31.80	1.25	0.10	0.00	34.40	1.25	0.10	0.00
31.85	1.25	0.10	0.00	34.45	1.25	0.10	0.00
31.90	1.25	0.10	0.00	34.50	1.25	0.10	0.00
31.95	1.25	0.10	0.00	34.55	1.25	0.10	0.00
32.00	1.25	0.10	0.00	34.60	1.25	0.10	0.00
32.05	1.25	0.10	0.00	34.65	1.25	0.10	0.00
32.10	1.25	0.10	0.00	34.70	1.25	0.10	0.00
32.15	1.25	0.10	0.00	34.75	1.25	0.10	0.00
32.20	1.25	0.10	0.00	34.80	1.25	0.10	0.00
32.25	1.25	0.10	0.00	34.85	1.25	0.10	0.00
32.30	1.25	0.10	0.00	34.90	1.25	0.10	0.00
32.35	1.25	0.10	0.00	34.95	1.25	0.10	0.00
32.40	1.25	0.10	0.00	35.00	1.25	0.10	0.00
32.45	1.25	0.10	0.00	35.05	1.25	0.10	0.00
32.50	1.25	0.10	0.00	35.10	1.25	0.10	0.00
32.55	1.25	0.10	0.00	35.15	1.25	0.10	0.00
32.60	1.25	0.10	0.00	35.20	1.25	0.10	0.00
32.65	1.25	0.10	0.00	35.25	1.25	0.10	0.00
32.70	1.25	0.10	0.00	35.30	1.25	0.10	0.00
32.75	1.25	0.10	0.00	35.35	1.25	0.10	0.00
32.80	1.25	0.10	0.00	35.40	1.25	0.10	0.00
32.85	1.25	0.10	0.00	35.45	1.25	0.10	0.00
32.90	1.25	0.10	0.00	35.50	1.25	0.10	0.00
32.95	1.25	0.10	0.00	35.55	1.25	0.10	0.00
33.00	1.25	0.10	0.00	35.60	1.25	0.10	0.00
33.05	1.25	0.10	0.00	35.65	1.25	0.10	0.00
33.10	1.25	0.10	0.00	35.70	1.25	0.10	0.00
33.15	1.25	0.10	0.00	35.75	1.25	0.10	0.00
33.20	1.25	0.10	0.00	35.80	1.25	0.10	0.00
33.25	1.25	0.10	0.00	35.85	1.25	0.10	0.00
33.30	1.25	0.10	0.00	35.90	1.25	0.10	0.00
33.35	1.25	0.10	0.00	35.95	1.25	0.10	0.00
33.40	1.25	0.10	0.00	36.00	1.25	0.10	0.00
33.45	1.25	0.10	0.00	36.05	1.25	0.10	0.00
33.50	1.25	0.10	0.00	36.10	1.25	0.10	0.00
33.55	1.25	0.10	0.00	36.15	1.25	0.10	0.00
33.60	1.25	0.10	0.00	36.20	1.25	0.10	0.00
33.65	1.25	0.10	0.00	36.25	1.25	0.10	0.00
33.70	1.25	0.10	0.00	36.30	1.25	0.10	0.00
33.75	1.25	0.10	0.00	36.35	1.25	0.10	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.10	0.00	39.00	1.25	0.10	0.00
36.45	1.25	0.10	0.00	39.05	1.25	0.10	0.00
36.50	1.25	0.10	0.00	39.10	1.25	0.10	0.00
36.55	1.25	0.10	0.00	39.15	1.25	0.10	0.00
36.60	1.25	0.10	0.00	39.20	1.25	0.10	0.00
36.65	1.25	0.10	0.00	39.25	1.25	0.10	0.00
36.70	1.25	0.10	0.00	39.30	1.25	0.10	0.00
36.75	1.25	0.10	0.00	39.35	1.25	0.10	0.00
36.80	1.25	0.10	0.00	39.40	1.25	0.10	0.00
36.85	1.25	0.10	0.00	39.45	1.25	0.10	0.00
36.90	1.25	0.10	0.00	39.50	1.25	0.10	0.00
36.95	1.25	0.10	0.00	39.55	1.25	0.10	0.00
37.00	1.25	0.10	0.00	39.60	1.25	0.10	0.00
37.05	1.25	0.10	0.00	39.65	1.25	0.10	0.00
37.10	1.25	0.10	0.00	39.70	1.25	0.10	0.00
37.15	1.25	0.10	0.00	39.75	1.25	0.10	0.00
37.20	1.25	0.10	0.00	39.80	1.25	0.10	0.00
37.25	1.25	0.10	0.00	39.85	1.25	0.10	0.00
37.30	1.25	0.10	0.00	39.90	1.25	0.10	0.00
37.35	1.25	0.10	0.00	39.95	1.25	0.10	0.00
37.40	1.25	0.10	0.00	40.00	1.25	0.10	0.00
37.45	1.25	0.10	0.00				
37.50	1.25	0.10	0.00				
37.55	1.25	0.10	0.00				
37.60	1.25	0.10	0.00				
37.65	1.25	0.10	0.00				
37.70	1.25	0.10	0.00				
37.75	1.25	0.10	0.00				
37.80	1.25	0.10	0.00				
37.85	1.25	0.10	0.00				
37.90	1.25	0.10	0.00				
37.95	1.25	0.10	0.00				
38.00	1.25	0.10	0.00				
38.05	1.25	0.10	0.00				
38.10	1.25	0.10	0.00				
38.15	1.25	0.10	0.00				
38.20	1.25	0.10	0.00				
38.25	1.25	0.10	0.00				
38.30	1.25	0.10	0.00				
38.35	1.25	0.10	0.00				
38.40	1.25	0.10	0.00				
38.45	1.25	0.10	0.00				
38.50	1.25	0.10	0.00				
38.55	1.25	0.10	0.00				
38.60	1.25	0.10	0.00				
38.65	1.25	0.10	0.00				
38.70	1.25	0.10	0.00				
38.75	1.25	0.10	0.00				
38.80	1.25	0.10	0.00				
38.85	1.25	0.10	0.00				
38.90	1.25	0.10	0.00				
38.95	1.25	0.10	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 0.72 cfs @ 1.79 hrs, Volume= 0.034 af, Depth= 0.01"

Routed to Link XDA-4 : Existing Drainage Area #4

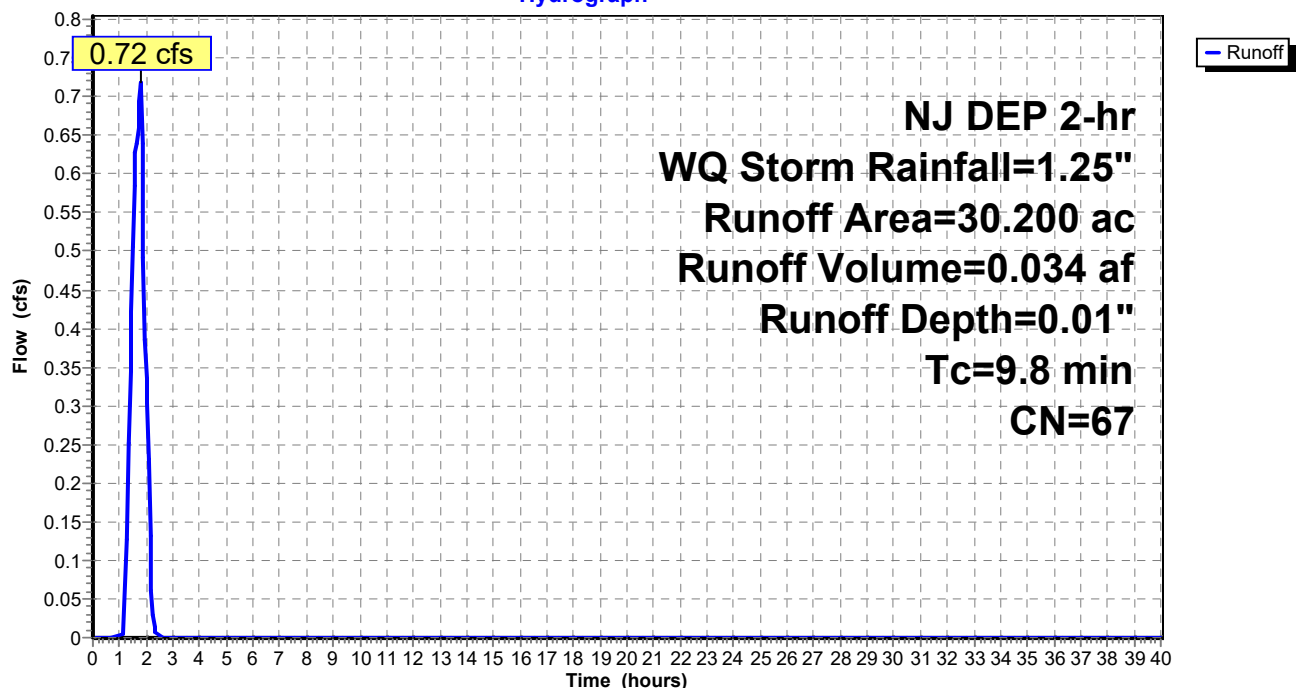
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.03	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.13	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.25	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.34	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.42	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.51	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.58	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.63	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.64	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.66	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.69	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.71	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.64	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.49	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.38	4.55	1.25	0.01	0.00
2.00	1.25	0.01	0.33	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.30	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.23	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.13	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.06	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.03	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.01	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.01	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.00	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.00	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.00	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.00	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00	39.00	1.25	0.01	0.00
36.45	1.25	0.01	0.00	39.05	1.25	0.01	0.00
36.50	1.25	0.01	0.00	39.10	1.25	0.01	0.00
36.55	1.25	0.01	0.00	39.15	1.25	0.01	0.00
36.60	1.25	0.01	0.00	39.20	1.25	0.01	0.00
36.65	1.25	0.01	0.00	39.25	1.25	0.01	0.00
36.70	1.25	0.01	0.00	39.30	1.25	0.01	0.00
36.75	1.25	0.01	0.00	39.35	1.25	0.01	0.00
36.80	1.25	0.01	0.00	39.40	1.25	0.01	0.00
36.85	1.25	0.01	0.00	39.45	1.25	0.01	0.00
36.90	1.25	0.01	0.00	39.50	1.25	0.01	0.00
36.95	1.25	0.01	0.00	39.55	1.25	0.01	0.00
37.00	1.25	0.01	0.00	39.60	1.25	0.01	0.00
37.05	1.25	0.01	0.00	39.65	1.25	0.01	0.00
37.10	1.25	0.01	0.00	39.70	1.25	0.01	0.00
37.15	1.25	0.01	0.00	39.75	1.25	0.01	0.00
37.20	1.25	0.01	0.00	39.80	1.25	0.01	0.00
37.25	1.25	0.01	0.00	39.85	1.25	0.01	0.00
37.30	1.25	0.01	0.00	39.90	1.25	0.01	0.00
37.35	1.25	0.01	0.00	39.95	1.25	0.01	0.00
37.40	1.25	0.01	0.00	40.00	1.25	0.01	0.00
37.45	1.25	0.01	0.00				
37.50	1.25	0.01	0.00				
37.55	1.25	0.01	0.00				
37.60	1.25	0.01	0.00				
37.65	1.25	0.01	0.00				
37.70	1.25	0.01	0.00				
37.75	1.25	0.01	0.00				
37.80	1.25	0.01	0.00				
37.85	1.25	0.01	0.00				
37.90	1.25	0.01	0.00				
37.95	1.25	0.01	0.00				
38.00	1.25	0.01	0.00				
38.05	1.25	0.01	0.00				
38.10	1.25	0.01	0.00				
38.15	1.25	0.01	0.00				
38.20	1.25	0.01	0.00				
38.25	1.25	0.01	0.00				
38.30	1.25	0.01	0.00				
38.35	1.25	0.01	0.00				
38.40	1.25	0.01	0.00				
38.45	1.25	0.01	0.00				
38.50	1.25	0.01	0.00				
38.55	1.25	0.01	0.00				
38.60	1.25	0.01	0.00				
38.65	1.25	0.01	0.00				
38.70	1.25	0.01	0.00				
38.75	1.25	0.01	0.00				
38.80	1.25	0.01	0.00				
38.85	1.25	0.01	0.00				
38.90	1.25	0.01	0.00				
38.95	1.25	0.01	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 1.46 cfs @ 1.23 hrs, Volume= 0.063 af, Depth= 0.09"

Routed to Link XDA-5 : Existing Drainage Area #5

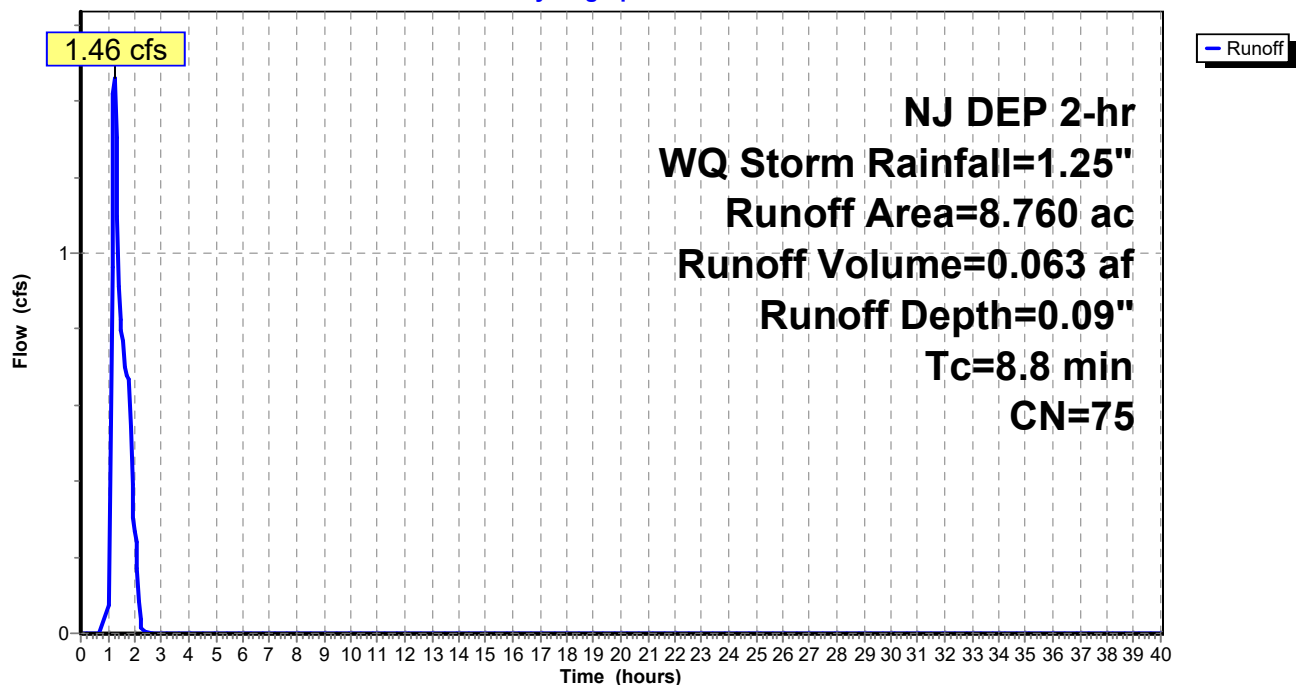
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.09	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.09	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.09	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.09	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.09	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.09	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.09	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.09	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.09	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.09	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.09	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.09	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.09	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.09	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.09	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.09	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.09	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.09	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.09	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.09	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.09	0.00
1.05	0.79	0.00	0.01	3.65	1.25	0.09	0.00
1.10	0.91	0.02	0.27	3.70	1.25	0.09	0.00
1.15	0.97	0.03	0.96	3.75	1.25	0.09	0.00
1.20	1.02	0.03	1.42	3.80	1.25	0.09	0.00
1.25	1.05	0.04	1.45	3.85	1.25	0.09	0.00
1.30	1.07	0.04	1.30	3.90	1.25	0.09	0.00
1.35	1.09	0.05	1.09	3.95	1.25	0.09	0.00
1.40	1.11	0.05	0.91	4.00	1.25	0.09	0.00
1.45	1.13	0.06	0.82	4.05	1.25	0.09	0.00
1.50	1.15	0.06	0.80	4.10	1.25	0.09	0.00
1.55	1.17	0.06	0.79	4.15	1.25	0.09	0.00
1.60	1.18	0.07	0.75	4.20	1.25	0.09	0.00
1.65	1.20	0.07	0.70	4.25	1.25	0.09	0.00
1.70	1.21	0.08	0.68	4.30	1.25	0.09	0.00
1.75	1.23	0.08	0.68	4.35	1.25	0.09	0.00
1.80	1.23	0.08	0.66	4.40	1.25	0.09	0.00
1.85	1.24	0.08	0.54	4.45	1.25	0.09	0.00
1.90	1.24	0.08	0.39	4.50	1.25	0.09	0.00
1.95	1.25	0.09	0.30	4.55	1.25	0.09	0.00
2.00	1.25	0.09	0.27	4.60	1.25	0.09	0.00
2.05	1.25	0.09	0.24	4.65	1.25	0.09	0.00
2.10	1.25	0.09	0.17	4.70	1.25	0.09	0.00
2.15	1.25	0.09	0.08	4.75	1.25	0.09	0.00
2.20	1.25	0.09	0.04	4.80	1.25	0.09	0.00
2.25	1.25	0.09	0.02	4.85	1.25	0.09	0.00
2.30	1.25	0.09	0.01	4.90	1.25	0.09	0.00
2.35	1.25	0.09	0.00	4.95	1.25	0.09	0.00
2.40	1.25	0.09	0.00	5.00	1.25	0.09	0.00
2.45	1.25	0.09	0.00	5.05	1.25	0.09	0.00
2.50	1.25	0.09	0.00	5.10	1.25	0.09	0.00
2.55	1.25	0.09	0.00	5.15	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.09	0.00	7.80	1.25	0.09	0.00
5.25	1.25	0.09	0.00	7.85	1.25	0.09	0.00
5.30	1.25	0.09	0.00	7.90	1.25	0.09	0.00
5.35	1.25	0.09	0.00	7.95	1.25	0.09	0.00
5.40	1.25	0.09	0.00	8.00	1.25	0.09	0.00
5.45	1.25	0.09	0.00	8.05	1.25	0.09	0.00
5.50	1.25	0.09	0.00	8.10	1.25	0.09	0.00
5.55	1.25	0.09	0.00	8.15	1.25	0.09	0.00
5.60	1.25	0.09	0.00	8.20	1.25	0.09	0.00
5.65	1.25	0.09	0.00	8.25	1.25	0.09	0.00
5.70	1.25	0.09	0.00	8.30	1.25	0.09	0.00
5.75	1.25	0.09	0.00	8.35	1.25	0.09	0.00
5.80	1.25	0.09	0.00	8.40	1.25	0.09	0.00
5.85	1.25	0.09	0.00	8.45	1.25	0.09	0.00
5.90	1.25	0.09	0.00	8.50	1.25	0.09	0.00
5.95	1.25	0.09	0.00	8.55	1.25	0.09	0.00
6.00	1.25	0.09	0.00	8.60	1.25	0.09	0.00
6.05	1.25	0.09	0.00	8.65	1.25	0.09	0.00
6.10	1.25	0.09	0.00	8.70	1.25	0.09	0.00
6.15	1.25	0.09	0.00	8.75	1.25	0.09	0.00
6.20	1.25	0.09	0.00	8.80	1.25	0.09	0.00
6.25	1.25	0.09	0.00	8.85	1.25	0.09	0.00
6.30	1.25	0.09	0.00	8.90	1.25	0.09	0.00
6.35	1.25	0.09	0.00	8.95	1.25	0.09	0.00
6.40	1.25	0.09	0.00	9.00	1.25	0.09	0.00
6.45	1.25	0.09	0.00	9.05	1.25	0.09	0.00
6.50	1.25	0.09	0.00	9.10	1.25	0.09	0.00
6.55	1.25	0.09	0.00	9.15	1.25	0.09	0.00
6.60	1.25	0.09	0.00	9.20	1.25	0.09	0.00
6.65	1.25	0.09	0.00	9.25	1.25	0.09	0.00
6.70	1.25	0.09	0.00	9.30	1.25	0.09	0.00
6.75	1.25	0.09	0.00	9.35	1.25	0.09	0.00
6.80	1.25	0.09	0.00	9.40	1.25	0.09	0.00
6.85	1.25	0.09	0.00	9.45	1.25	0.09	0.00
6.90	1.25	0.09	0.00	9.50	1.25	0.09	0.00
6.95	1.25	0.09	0.00	9.55	1.25	0.09	0.00
7.00	1.25	0.09	0.00	9.60	1.25	0.09	0.00
7.05	1.25	0.09	0.00	9.65	1.25	0.09	0.00
7.10	1.25	0.09	0.00	9.70	1.25	0.09	0.00
7.15	1.25	0.09	0.00	9.75	1.25	0.09	0.00
7.20	1.25	0.09	0.00	9.80	1.25	0.09	0.00
7.25	1.25	0.09	0.00	9.85	1.25	0.09	0.00
7.30	1.25	0.09	0.00	9.90	1.25	0.09	0.00
7.35	1.25	0.09	0.00	9.95	1.25	0.09	0.00
7.40	1.25	0.09	0.00	10.00	1.25	0.09	0.00
7.45	1.25	0.09	0.00	10.05	1.25	0.09	0.00
7.50	1.25	0.09	0.00	10.10	1.25	0.09	0.00
7.55	1.25	0.09	0.00	10.15	1.25	0.09	0.00
7.60	1.25	0.09	0.00	10.20	1.25	0.09	0.00
7.65	1.25	0.09	0.00	10.25	1.25	0.09	0.00
7.70	1.25	0.09	0.00	10.30	1.25	0.09	0.00
7.75	1.25	0.09	0.00	10.35	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.09	0.00	13.00	1.25	0.09	0.00
10.45	1.25	0.09	0.00	13.05	1.25	0.09	0.00
10.50	1.25	0.09	0.00	13.10	1.25	0.09	0.00
10.55	1.25	0.09	0.00	13.15	1.25	0.09	0.00
10.60	1.25	0.09	0.00	13.20	1.25	0.09	0.00
10.65	1.25	0.09	0.00	13.25	1.25	0.09	0.00
10.70	1.25	0.09	0.00	13.30	1.25	0.09	0.00
10.75	1.25	0.09	0.00	13.35	1.25	0.09	0.00
10.80	1.25	0.09	0.00	13.40	1.25	0.09	0.00
10.85	1.25	0.09	0.00	13.45	1.25	0.09	0.00
10.90	1.25	0.09	0.00	13.50	1.25	0.09	0.00
10.95	1.25	0.09	0.00	13.55	1.25	0.09	0.00
11.00	1.25	0.09	0.00	13.60	1.25	0.09	0.00
11.05	1.25	0.09	0.00	13.65	1.25	0.09	0.00
11.10	1.25	0.09	0.00	13.70	1.25	0.09	0.00
11.15	1.25	0.09	0.00	13.75	1.25	0.09	0.00
11.20	1.25	0.09	0.00	13.80	1.25	0.09	0.00
11.25	1.25	0.09	0.00	13.85	1.25	0.09	0.00
11.30	1.25	0.09	0.00	13.90	1.25	0.09	0.00
11.35	1.25	0.09	0.00	13.95	1.25	0.09	0.00
11.40	1.25	0.09	0.00	14.00	1.25	0.09	0.00
11.45	1.25	0.09	0.00	14.05	1.25	0.09	0.00
11.50	1.25	0.09	0.00	14.10	1.25	0.09	0.00
11.55	1.25	0.09	0.00	14.15	1.25	0.09	0.00
11.60	1.25	0.09	0.00	14.20	1.25	0.09	0.00
11.65	1.25	0.09	0.00	14.25	1.25	0.09	0.00
11.70	1.25	0.09	0.00	14.30	1.25	0.09	0.00
11.75	1.25	0.09	0.00	14.35	1.25	0.09	0.00
11.80	1.25	0.09	0.00	14.40	1.25	0.09	0.00
11.85	1.25	0.09	0.00	14.45	1.25	0.09	0.00
11.90	1.25	0.09	0.00	14.50	1.25	0.09	0.00
11.95	1.25	0.09	0.00	14.55	1.25	0.09	0.00
12.00	1.25	0.09	0.00	14.60	1.25	0.09	0.00
12.05	1.25	0.09	0.00	14.65	1.25	0.09	0.00
12.10	1.25	0.09	0.00	14.70	1.25	0.09	0.00
12.15	1.25	0.09	0.00	14.75	1.25	0.09	0.00
12.20	1.25	0.09	0.00	14.80	1.25	0.09	0.00
12.25	1.25	0.09	0.00	14.85	1.25	0.09	0.00
12.30	1.25	0.09	0.00	14.90	1.25	0.09	0.00
12.35	1.25	0.09	0.00	14.95	1.25	0.09	0.00
12.40	1.25	0.09	0.00	15.00	1.25	0.09	0.00
12.45	1.25	0.09	0.00	15.05	1.25	0.09	0.00
12.50	1.25	0.09	0.00	15.10	1.25	0.09	0.00
12.55	1.25	0.09	0.00	15.15	1.25	0.09	0.00
12.60	1.25	0.09	0.00	15.20	1.25	0.09	0.00
12.65	1.25	0.09	0.00	15.25	1.25	0.09	0.00
12.70	1.25	0.09	0.00	15.30	1.25	0.09	0.00
12.75	1.25	0.09	0.00	15.35	1.25	0.09	0.00
12.80	1.25	0.09	0.00	15.40	1.25	0.09	0.00
12.85	1.25	0.09	0.00	15.45	1.25	0.09	0.00
12.90	1.25	0.09	0.00	15.50	1.25	0.09	0.00
12.95	1.25	0.09	0.00	15.55	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.09	0.00	18.20	1.25	0.09	0.00
15.65	1.25	0.09	0.00	18.25	1.25	0.09	0.00
15.70	1.25	0.09	0.00	18.30	1.25	0.09	0.00
15.75	1.25	0.09	0.00	18.35	1.25	0.09	0.00
15.80	1.25	0.09	0.00	18.40	1.25	0.09	0.00
15.85	1.25	0.09	0.00	18.45	1.25	0.09	0.00
15.90	1.25	0.09	0.00	18.50	1.25	0.09	0.00
15.95	1.25	0.09	0.00	18.55	1.25	0.09	0.00
16.00	1.25	0.09	0.00	18.60	1.25	0.09	0.00
16.05	1.25	0.09	0.00	18.65	1.25	0.09	0.00
16.10	1.25	0.09	0.00	18.70	1.25	0.09	0.00
16.15	1.25	0.09	0.00	18.75	1.25	0.09	0.00
16.20	1.25	0.09	0.00	18.80	1.25	0.09	0.00
16.25	1.25	0.09	0.00	18.85	1.25	0.09	0.00
16.30	1.25	0.09	0.00	18.90	1.25	0.09	0.00
16.35	1.25	0.09	0.00	18.95	1.25	0.09	0.00
16.40	1.25	0.09	0.00	19.00	1.25	0.09	0.00
16.45	1.25	0.09	0.00	19.05	1.25	0.09	0.00
16.50	1.25	0.09	0.00	19.10	1.25	0.09	0.00
16.55	1.25	0.09	0.00	19.15	1.25	0.09	0.00
16.60	1.25	0.09	0.00	19.20	1.25	0.09	0.00
16.65	1.25	0.09	0.00	19.25	1.25	0.09	0.00
16.70	1.25	0.09	0.00	19.30	1.25	0.09	0.00
16.75	1.25	0.09	0.00	19.35	1.25	0.09	0.00
16.80	1.25	0.09	0.00	19.40	1.25	0.09	0.00
16.85	1.25	0.09	0.00	19.45	1.25	0.09	0.00
16.90	1.25	0.09	0.00	19.50	1.25	0.09	0.00
16.95	1.25	0.09	0.00	19.55	1.25	0.09	0.00
17.00	1.25	0.09	0.00	19.60	1.25	0.09	0.00
17.05	1.25	0.09	0.00	19.65	1.25	0.09	0.00
17.10	1.25	0.09	0.00	19.70	1.25	0.09	0.00
17.15	1.25	0.09	0.00	19.75	1.25	0.09	0.00
17.20	1.25	0.09	0.00	19.80	1.25	0.09	0.00
17.25	1.25	0.09	0.00	19.85	1.25	0.09	0.00
17.30	1.25	0.09	0.00	19.90	1.25	0.09	0.00
17.35	1.25	0.09	0.00	19.95	1.25	0.09	0.00
17.40	1.25	0.09	0.00	20.00	1.25	0.09	0.00
17.45	1.25	0.09	0.00	20.05	1.25	0.09	0.00
17.50	1.25	0.09	0.00	20.10	1.25	0.09	0.00
17.55	1.25	0.09	0.00	20.15	1.25	0.09	0.00
17.60	1.25	0.09	0.00	20.20	1.25	0.09	0.00
17.65	1.25	0.09	0.00	20.25	1.25	0.09	0.00
17.70	1.25	0.09	0.00	20.30	1.25	0.09	0.00
17.75	1.25	0.09	0.00	20.35	1.25	0.09	0.00
17.80	1.25	0.09	0.00	20.40	1.25	0.09	0.00
17.85	1.25	0.09	0.00	20.45	1.25	0.09	0.00
17.90	1.25	0.09	0.00	20.50	1.25	0.09	0.00
17.95	1.25	0.09	0.00	20.55	1.25	0.09	0.00
18.00	1.25	0.09	0.00	20.60	1.25	0.09	0.00
18.05	1.25	0.09	0.00	20.65	1.25	0.09	0.00
18.10	1.25	0.09	0.00	20.70	1.25	0.09	0.00
18.15	1.25	0.09	0.00	20.75	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.09	0.00	23.40	1.25	0.09	0.00
20.85	1.25	0.09	0.00	23.45	1.25	0.09	0.00
20.90	1.25	0.09	0.00	23.50	1.25	0.09	0.00
20.95	1.25	0.09	0.00	23.55	1.25	0.09	0.00
21.00	1.25	0.09	0.00	23.60	1.25	0.09	0.00
21.05	1.25	0.09	0.00	23.65	1.25	0.09	0.00
21.10	1.25	0.09	0.00	23.70	1.25	0.09	0.00
21.15	1.25	0.09	0.00	23.75	1.25	0.09	0.00
21.20	1.25	0.09	0.00	23.80	1.25	0.09	0.00
21.25	1.25	0.09	0.00	23.85	1.25	0.09	0.00
21.30	1.25	0.09	0.00	23.90	1.25	0.09	0.00
21.35	1.25	0.09	0.00	23.95	1.25	0.09	0.00
21.40	1.25	0.09	0.00	24.00	1.25	0.09	0.00
21.45	1.25	0.09	0.00	24.05	1.25	0.09	0.00
21.50	1.25	0.09	0.00	24.10	1.25	0.09	0.00
21.55	1.25	0.09	0.00	24.15	1.25	0.09	0.00
21.60	1.25	0.09	0.00	24.20	1.25	0.09	0.00
21.65	1.25	0.09	0.00	24.25	1.25	0.09	0.00
21.70	1.25	0.09	0.00	24.30	1.25	0.09	0.00
21.75	1.25	0.09	0.00	24.35	1.25	0.09	0.00
21.80	1.25	0.09	0.00	24.40	1.25	0.09	0.00
21.85	1.25	0.09	0.00	24.45	1.25	0.09	0.00
21.90	1.25	0.09	0.00	24.50	1.25	0.09	0.00
21.95	1.25	0.09	0.00	24.55	1.25	0.09	0.00
22.00	1.25	0.09	0.00	24.60	1.25	0.09	0.00
22.05	1.25	0.09	0.00	24.65	1.25	0.09	0.00
22.10	1.25	0.09	0.00	24.70	1.25	0.09	0.00
22.15	1.25	0.09	0.00	24.75	1.25	0.09	0.00
22.20	1.25	0.09	0.00	24.80	1.25	0.09	0.00
22.25	1.25	0.09	0.00	24.85	1.25	0.09	0.00
22.30	1.25	0.09	0.00	24.90	1.25	0.09	0.00
22.35	1.25	0.09	0.00	24.95	1.25	0.09	0.00
22.40	1.25	0.09	0.00	25.00	1.25	0.09	0.00
22.45	1.25	0.09	0.00	25.05	1.25	0.09	0.00
22.50	1.25	0.09	0.00	25.10	1.25	0.09	0.00
22.55	1.25	0.09	0.00	25.15	1.25	0.09	0.00
22.60	1.25	0.09	0.00	25.20	1.25	0.09	0.00
22.65	1.25	0.09	0.00	25.25	1.25	0.09	0.00
22.70	1.25	0.09	0.00	25.30	1.25	0.09	0.00
22.75	1.25	0.09	0.00	25.35	1.25	0.09	0.00
22.80	1.25	0.09	0.00	25.40	1.25	0.09	0.00
22.85	1.25	0.09	0.00	25.45	1.25	0.09	0.00
22.90	1.25	0.09	0.00	25.50	1.25	0.09	0.00
22.95	1.25	0.09	0.00	25.55	1.25	0.09	0.00
23.00	1.25	0.09	0.00	25.60	1.25	0.09	0.00
23.05	1.25	0.09	0.00	25.65	1.25	0.09	0.00
23.10	1.25	0.09	0.00	25.70	1.25	0.09	0.00
23.15	1.25	0.09	0.00	25.75	1.25	0.09	0.00
23.20	1.25	0.09	0.00	25.80	1.25	0.09	0.00
23.25	1.25	0.09	0.00	25.85	1.25	0.09	0.00
23.30	1.25	0.09	0.00	25.90	1.25	0.09	0.00
23.35	1.25	0.09	0.00	25.95	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.09	0.00	28.60	1.25	0.09	0.00
26.05	1.25	0.09	0.00	28.65	1.25	0.09	0.00
26.10	1.25	0.09	0.00	28.70	1.25	0.09	0.00
26.15	1.25	0.09	0.00	28.75	1.25	0.09	0.00
26.20	1.25	0.09	0.00	28.80	1.25	0.09	0.00
26.25	1.25	0.09	0.00	28.85	1.25	0.09	0.00
26.30	1.25	0.09	0.00	28.90	1.25	0.09	0.00
26.35	1.25	0.09	0.00	28.95	1.25	0.09	0.00
26.40	1.25	0.09	0.00	29.00	1.25	0.09	0.00
26.45	1.25	0.09	0.00	29.05	1.25	0.09	0.00
26.50	1.25	0.09	0.00	29.10	1.25	0.09	0.00
26.55	1.25	0.09	0.00	29.15	1.25	0.09	0.00
26.60	1.25	0.09	0.00	29.20	1.25	0.09	0.00
26.65	1.25	0.09	0.00	29.25	1.25	0.09	0.00
26.70	1.25	0.09	0.00	29.30	1.25	0.09	0.00
26.75	1.25	0.09	0.00	29.35	1.25	0.09	0.00
26.80	1.25	0.09	0.00	29.40	1.25	0.09	0.00
26.85	1.25	0.09	0.00	29.45	1.25	0.09	0.00
26.90	1.25	0.09	0.00	29.50	1.25	0.09	0.00
26.95	1.25	0.09	0.00	29.55	1.25	0.09	0.00
27.00	1.25	0.09	0.00	29.60	1.25	0.09	0.00
27.05	1.25	0.09	0.00	29.65	1.25	0.09	0.00
27.10	1.25	0.09	0.00	29.70	1.25	0.09	0.00
27.15	1.25	0.09	0.00	29.75	1.25	0.09	0.00
27.20	1.25	0.09	0.00	29.80	1.25	0.09	0.00
27.25	1.25	0.09	0.00	29.85	1.25	0.09	0.00
27.30	1.25	0.09	0.00	29.90	1.25	0.09	0.00
27.35	1.25	0.09	0.00	29.95	1.25	0.09	0.00
27.40	1.25	0.09	0.00	30.00	1.25	0.09	0.00
27.45	1.25	0.09	0.00	30.05	1.25	0.09	0.00
27.50	1.25	0.09	0.00	30.10	1.25	0.09	0.00
27.55	1.25	0.09	0.00	30.15	1.25	0.09	0.00
27.60	1.25	0.09	0.00	30.20	1.25	0.09	0.00
27.65	1.25	0.09	0.00	30.25	1.25	0.09	0.00
27.70	1.25	0.09	0.00	30.30	1.25	0.09	0.00
27.75	1.25	0.09	0.00	30.35	1.25	0.09	0.00
27.80	1.25	0.09	0.00	30.40	1.25	0.09	0.00
27.85	1.25	0.09	0.00	30.45	1.25	0.09	0.00
27.90	1.25	0.09	0.00	30.50	1.25	0.09	0.00
27.95	1.25	0.09	0.00	30.55	1.25	0.09	0.00
28.00	1.25	0.09	0.00	30.60	1.25	0.09	0.00
28.05	1.25	0.09	0.00	30.65	1.25	0.09	0.00
28.10	1.25	0.09	0.00	30.70	1.25	0.09	0.00
28.15	1.25	0.09	0.00	30.75	1.25	0.09	0.00
28.20	1.25	0.09	0.00	30.80	1.25	0.09	0.00
28.25	1.25	0.09	0.00	30.85	1.25	0.09	0.00
28.30	1.25	0.09	0.00	30.90	1.25	0.09	0.00
28.35	1.25	0.09	0.00	30.95	1.25	0.09	0.00
28.40	1.25	0.09	0.00	31.00	1.25	0.09	0.00
28.45	1.25	0.09	0.00	31.05	1.25	0.09	0.00
28.50	1.25	0.09	0.00	31.10	1.25	0.09	0.00
28.55	1.25	0.09	0.00	31.15	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.09	0.00	33.80	1.25	0.09	0.00
31.25	1.25	0.09	0.00	33.85	1.25	0.09	0.00
31.30	1.25	0.09	0.00	33.90	1.25	0.09	0.00
31.35	1.25	0.09	0.00	33.95	1.25	0.09	0.00
31.40	1.25	0.09	0.00	34.00	1.25	0.09	0.00
31.45	1.25	0.09	0.00	34.05	1.25	0.09	0.00
31.50	1.25	0.09	0.00	34.10	1.25	0.09	0.00
31.55	1.25	0.09	0.00	34.15	1.25	0.09	0.00
31.60	1.25	0.09	0.00	34.20	1.25	0.09	0.00
31.65	1.25	0.09	0.00	34.25	1.25	0.09	0.00
31.70	1.25	0.09	0.00	34.30	1.25	0.09	0.00
31.75	1.25	0.09	0.00	34.35	1.25	0.09	0.00
31.80	1.25	0.09	0.00	34.40	1.25	0.09	0.00
31.85	1.25	0.09	0.00	34.45	1.25	0.09	0.00
31.90	1.25	0.09	0.00	34.50	1.25	0.09	0.00
31.95	1.25	0.09	0.00	34.55	1.25	0.09	0.00
32.00	1.25	0.09	0.00	34.60	1.25	0.09	0.00
32.05	1.25	0.09	0.00	34.65	1.25	0.09	0.00
32.10	1.25	0.09	0.00	34.70	1.25	0.09	0.00
32.15	1.25	0.09	0.00	34.75	1.25	0.09	0.00
32.20	1.25	0.09	0.00	34.80	1.25	0.09	0.00
32.25	1.25	0.09	0.00	34.85	1.25	0.09	0.00
32.30	1.25	0.09	0.00	34.90	1.25	0.09	0.00
32.35	1.25	0.09	0.00	34.95	1.25	0.09	0.00
32.40	1.25	0.09	0.00	35.00	1.25	0.09	0.00
32.45	1.25	0.09	0.00	35.05	1.25	0.09	0.00
32.50	1.25	0.09	0.00	35.10	1.25	0.09	0.00
32.55	1.25	0.09	0.00	35.15	1.25	0.09	0.00
32.60	1.25	0.09	0.00	35.20	1.25	0.09	0.00
32.65	1.25	0.09	0.00	35.25	1.25	0.09	0.00
32.70	1.25	0.09	0.00	35.30	1.25	0.09	0.00
32.75	1.25	0.09	0.00	35.35	1.25	0.09	0.00
32.80	1.25	0.09	0.00	35.40	1.25	0.09	0.00
32.85	1.25	0.09	0.00	35.45	1.25	0.09	0.00
32.90	1.25	0.09	0.00	35.50	1.25	0.09	0.00
32.95	1.25	0.09	0.00	35.55	1.25	0.09	0.00
33.00	1.25	0.09	0.00	35.60	1.25	0.09	0.00
33.05	1.25	0.09	0.00	35.65	1.25	0.09	0.00
33.10	1.25	0.09	0.00	35.70	1.25	0.09	0.00
33.15	1.25	0.09	0.00	35.75	1.25	0.09	0.00
33.20	1.25	0.09	0.00	35.80	1.25	0.09	0.00
33.25	1.25	0.09	0.00	35.85	1.25	0.09	0.00
33.30	1.25	0.09	0.00	35.90	1.25	0.09	0.00
33.35	1.25	0.09	0.00	35.95	1.25	0.09	0.00
33.40	1.25	0.09	0.00	36.00	1.25	0.09	0.00
33.45	1.25	0.09	0.00	36.05	1.25	0.09	0.00
33.50	1.25	0.09	0.00	36.10	1.25	0.09	0.00
33.55	1.25	0.09	0.00	36.15	1.25	0.09	0.00
33.60	1.25	0.09	0.00	36.20	1.25	0.09	0.00
33.65	1.25	0.09	0.00	36.25	1.25	0.09	0.00
33.70	1.25	0.09	0.00	36.30	1.25	0.09	0.00
33.75	1.25	0.09	0.00	36.35	1.25	0.09	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.09	0.00	39.00	1.25	0.09	0.00
36.45	1.25	0.09	0.00	39.05	1.25	0.09	0.00
36.50	1.25	0.09	0.00	39.10	1.25	0.09	0.00
36.55	1.25	0.09	0.00	39.15	1.25	0.09	0.00
36.60	1.25	0.09	0.00	39.20	1.25	0.09	0.00
36.65	1.25	0.09	0.00	39.25	1.25	0.09	0.00
36.70	1.25	0.09	0.00	39.30	1.25	0.09	0.00
36.75	1.25	0.09	0.00	39.35	1.25	0.09	0.00
36.80	1.25	0.09	0.00	39.40	1.25	0.09	0.00
36.85	1.25	0.09	0.00	39.45	1.25	0.09	0.00
36.90	1.25	0.09	0.00	39.50	1.25	0.09	0.00
36.95	1.25	0.09	0.00	39.55	1.25	0.09	0.00
37.00	1.25	0.09	0.00	39.60	1.25	0.09	0.00
37.05	1.25	0.09	0.00	39.65	1.25	0.09	0.00
37.10	1.25	0.09	0.00	39.70	1.25	0.09	0.00
37.15	1.25	0.09	0.00	39.75	1.25	0.09	0.00
37.20	1.25	0.09	0.00	39.80	1.25	0.09	0.00
37.25	1.25	0.09	0.00	39.85	1.25	0.09	0.00
37.30	1.25	0.09	0.00	39.90	1.25	0.09	0.00
37.35	1.25	0.09	0.00	39.95	1.25	0.09	0.00
37.40	1.25	0.09	0.00	40.00	1.25	0.09	0.00
37.45	1.25	0.09	0.00				
37.50	1.25	0.09	0.00				
37.55	1.25	0.09	0.00				
37.60	1.25	0.09	0.00				
37.65	1.25	0.09	0.00				
37.70	1.25	0.09	0.00				
37.75	1.25	0.09	0.00				
37.80	1.25	0.09	0.00				
37.85	1.25	0.09	0.00				
37.90	1.25	0.09	0.00				
37.95	1.25	0.09	0.00				
38.00	1.25	0.09	0.00				
38.05	1.25	0.09	0.00				
38.10	1.25	0.09	0.00				
38.15	1.25	0.09	0.00				
38.20	1.25	0.09	0.00				
38.25	1.25	0.09	0.00				
38.30	1.25	0.09	0.00				
38.35	1.25	0.09	0.00				
38.40	1.25	0.09	0.00				
38.45	1.25	0.09	0.00				
38.50	1.25	0.09	0.00				
38.55	1.25	0.09	0.00				
38.60	1.25	0.09	0.00				
38.65	1.25	0.09	0.00				
38.70	1.25	0.09	0.00				
38.75	1.25	0.09	0.00				
38.80	1.25	0.09	0.00				
38.85	1.25	0.09	0.00				
38.90	1.25	0.09	0.00				
38.95	1.25	0.09	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 2.02 cfs @ 1.13 hrs, Volume= 0.066 af, Depth= 1.03"
 Routed to Link XDA-6O : XDA-6O

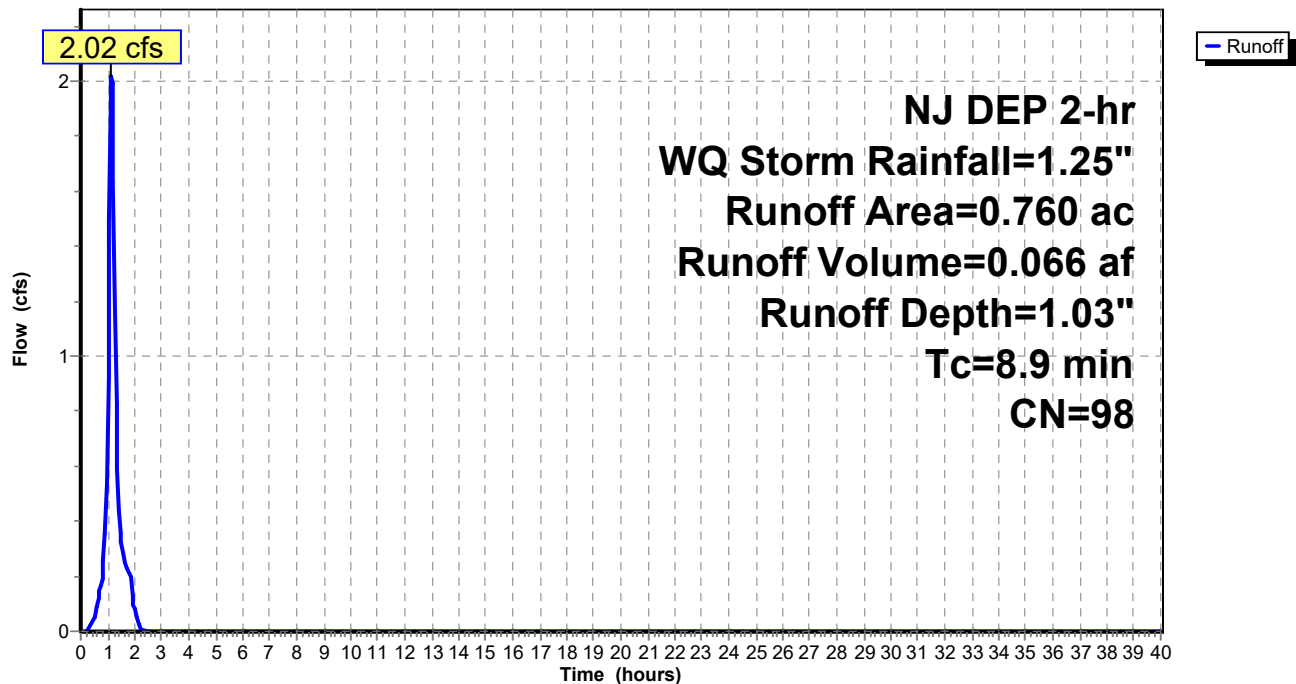
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.12	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.15	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.17	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.19	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.25	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.36	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.54	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.92	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.50	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.93	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.00	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.63	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.17	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.83	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.59	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.44	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.36	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.32	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.30	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.28	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.25	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.24	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.23	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.22	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.18	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.13	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.10	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.08	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.05	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.03	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.01	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 1.65 cfs @ 1.31 hrs, Volume= 0.092 af, Depth= 0.04"
Routed to Link XDA-6 : Existing Drainage Area #6

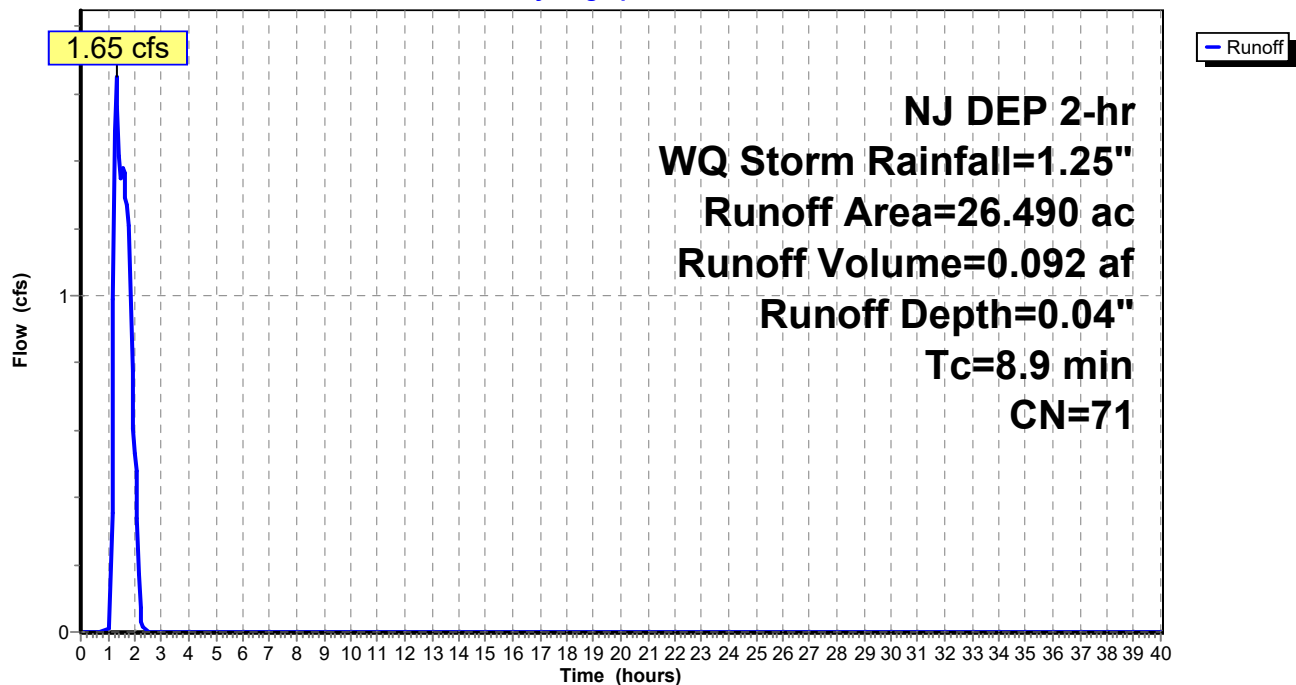
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.04	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.04	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.04	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.04	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.04	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.04	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.04	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.04	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.04	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.04	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.04	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.04	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.04	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.04	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.04	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.04	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.04	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.04	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.04	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.04	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.04	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.04	0.00
1.10	0.91	0.00	0.03	3.70	1.25	0.04	0.00
1.15	0.97	0.01	0.35	3.75	1.25	0.04	0.00
1.20	1.02	0.01	0.99	3.80	1.25	0.04	0.00
1.25	1.05	0.01	1.49	3.85	1.25	0.04	0.00
1.30	1.07	0.01	1.65	3.90	1.25	0.04	0.00
1.35	1.09	0.02	1.56	3.95	1.25	0.04	0.00
1.40	1.11	0.02	1.41	4.00	1.25	0.04	0.00
1.45	1.13	0.02	1.35	4.05	1.25	0.04	0.00
1.50	1.15	0.03	1.36	4.10	1.25	0.04	0.00
1.55	1.17	0.03	1.40	4.15	1.25	0.04	0.00
1.60	1.18	0.03	1.36	4.20	1.25	0.04	0.00
1.65	1.20	0.03	1.29	4.25	1.25	0.04	0.00
1.70	1.21	0.03	1.27	4.30	1.25	0.04	0.00
1.75	1.23	0.04	1.29	4.35	1.25	0.04	0.00
1.80	1.23	0.04	1.27	4.40	1.25	0.04	0.00
1.85	1.24	0.04	1.07	4.45	1.25	0.04	0.00
1.90	1.24	0.04	0.78	4.50	1.25	0.04	0.00
1.95	1.25	0.04	0.60	4.55	1.25	0.04	0.00
2.00	1.25	0.04	0.53	4.60	1.25	0.04	0.00
2.05	1.25	0.04	0.48	4.65	1.25	0.04	0.00
2.10	1.25	0.04	0.34	4.70	1.25	0.04	0.00
2.15	1.25	0.04	0.17	4.75	1.25	0.04	0.00
2.20	1.25	0.04	0.07	4.80	1.25	0.04	0.00
2.25	1.25	0.04	0.03	4.85	1.25	0.04	0.00
2.30	1.25	0.04	0.01	4.90	1.25	0.04	0.00
2.35	1.25	0.04	0.01	4.95	1.25	0.04	0.00
2.40	1.25	0.04	0.00	5.00	1.25	0.04	0.00
2.45	1.25	0.04	0.00	5.05	1.25	0.04	0.00
2.50	1.25	0.04	0.00	5.10	1.25	0.04	0.00
2.55	1.25	0.04	0.00	5.15	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.04	0.00	7.80	1.25	0.04	0.00
5.25	1.25	0.04	0.00	7.85	1.25	0.04	0.00
5.30	1.25	0.04	0.00	7.90	1.25	0.04	0.00
5.35	1.25	0.04	0.00	7.95	1.25	0.04	0.00
5.40	1.25	0.04	0.00	8.00	1.25	0.04	0.00
5.45	1.25	0.04	0.00	8.05	1.25	0.04	0.00
5.50	1.25	0.04	0.00	8.10	1.25	0.04	0.00
5.55	1.25	0.04	0.00	8.15	1.25	0.04	0.00
5.60	1.25	0.04	0.00	8.20	1.25	0.04	0.00
5.65	1.25	0.04	0.00	8.25	1.25	0.04	0.00
5.70	1.25	0.04	0.00	8.30	1.25	0.04	0.00
5.75	1.25	0.04	0.00	8.35	1.25	0.04	0.00
5.80	1.25	0.04	0.00	8.40	1.25	0.04	0.00
5.85	1.25	0.04	0.00	8.45	1.25	0.04	0.00
5.90	1.25	0.04	0.00	8.50	1.25	0.04	0.00
5.95	1.25	0.04	0.00	8.55	1.25	0.04	0.00
6.00	1.25	0.04	0.00	8.60	1.25	0.04	0.00
6.05	1.25	0.04	0.00	8.65	1.25	0.04	0.00
6.10	1.25	0.04	0.00	8.70	1.25	0.04	0.00
6.15	1.25	0.04	0.00	8.75	1.25	0.04	0.00
6.20	1.25	0.04	0.00	8.80	1.25	0.04	0.00
6.25	1.25	0.04	0.00	8.85	1.25	0.04	0.00
6.30	1.25	0.04	0.00	8.90	1.25	0.04	0.00
6.35	1.25	0.04	0.00	8.95	1.25	0.04	0.00
6.40	1.25	0.04	0.00	9.00	1.25	0.04	0.00
6.45	1.25	0.04	0.00	9.05	1.25	0.04	0.00
6.50	1.25	0.04	0.00	9.10	1.25	0.04	0.00
6.55	1.25	0.04	0.00	9.15	1.25	0.04	0.00
6.60	1.25	0.04	0.00	9.20	1.25	0.04	0.00
6.65	1.25	0.04	0.00	9.25	1.25	0.04	0.00
6.70	1.25	0.04	0.00	9.30	1.25	0.04	0.00
6.75	1.25	0.04	0.00	9.35	1.25	0.04	0.00
6.80	1.25	0.04	0.00	9.40	1.25	0.04	0.00
6.85	1.25	0.04	0.00	9.45	1.25	0.04	0.00
6.90	1.25	0.04	0.00	9.50	1.25	0.04	0.00
6.95	1.25	0.04	0.00	9.55	1.25	0.04	0.00
7.00	1.25	0.04	0.00	9.60	1.25	0.04	0.00
7.05	1.25	0.04	0.00	9.65	1.25	0.04	0.00
7.10	1.25	0.04	0.00	9.70	1.25	0.04	0.00
7.15	1.25	0.04	0.00	9.75	1.25	0.04	0.00
7.20	1.25	0.04	0.00	9.80	1.25	0.04	0.00
7.25	1.25	0.04	0.00	9.85	1.25	0.04	0.00
7.30	1.25	0.04	0.00	9.90	1.25	0.04	0.00
7.35	1.25	0.04	0.00	9.95	1.25	0.04	0.00
7.40	1.25	0.04	0.00	10.00	1.25	0.04	0.00
7.45	1.25	0.04	0.00	10.05	1.25	0.04	0.00
7.50	1.25	0.04	0.00	10.10	1.25	0.04	0.00
7.55	1.25	0.04	0.00	10.15	1.25	0.04	0.00
7.60	1.25	0.04	0.00	10.20	1.25	0.04	0.00
7.65	1.25	0.04	0.00	10.25	1.25	0.04	0.00
7.70	1.25	0.04	0.00	10.30	1.25	0.04	0.00
7.75	1.25	0.04	0.00	10.35	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.04	0.00	13.00	1.25	0.04	0.00
10.45	1.25	0.04	0.00	13.05	1.25	0.04	0.00
10.50	1.25	0.04	0.00	13.10	1.25	0.04	0.00
10.55	1.25	0.04	0.00	13.15	1.25	0.04	0.00
10.60	1.25	0.04	0.00	13.20	1.25	0.04	0.00
10.65	1.25	0.04	0.00	13.25	1.25	0.04	0.00
10.70	1.25	0.04	0.00	13.30	1.25	0.04	0.00
10.75	1.25	0.04	0.00	13.35	1.25	0.04	0.00
10.80	1.25	0.04	0.00	13.40	1.25	0.04	0.00
10.85	1.25	0.04	0.00	13.45	1.25	0.04	0.00
10.90	1.25	0.04	0.00	13.50	1.25	0.04	0.00
10.95	1.25	0.04	0.00	13.55	1.25	0.04	0.00
11.00	1.25	0.04	0.00	13.60	1.25	0.04	0.00
11.05	1.25	0.04	0.00	13.65	1.25	0.04	0.00
11.10	1.25	0.04	0.00	13.70	1.25	0.04	0.00
11.15	1.25	0.04	0.00	13.75	1.25	0.04	0.00
11.20	1.25	0.04	0.00	13.80	1.25	0.04	0.00
11.25	1.25	0.04	0.00	13.85	1.25	0.04	0.00
11.30	1.25	0.04	0.00	13.90	1.25	0.04	0.00
11.35	1.25	0.04	0.00	13.95	1.25	0.04	0.00
11.40	1.25	0.04	0.00	14.00	1.25	0.04	0.00
11.45	1.25	0.04	0.00	14.05	1.25	0.04	0.00
11.50	1.25	0.04	0.00	14.10	1.25	0.04	0.00
11.55	1.25	0.04	0.00	14.15	1.25	0.04	0.00
11.60	1.25	0.04	0.00	14.20	1.25	0.04	0.00
11.65	1.25	0.04	0.00	14.25	1.25	0.04	0.00
11.70	1.25	0.04	0.00	14.30	1.25	0.04	0.00
11.75	1.25	0.04	0.00	14.35	1.25	0.04	0.00
11.80	1.25	0.04	0.00	14.40	1.25	0.04	0.00
11.85	1.25	0.04	0.00	14.45	1.25	0.04	0.00
11.90	1.25	0.04	0.00	14.50	1.25	0.04	0.00
11.95	1.25	0.04	0.00	14.55	1.25	0.04	0.00
12.00	1.25	0.04	0.00	14.60	1.25	0.04	0.00
12.05	1.25	0.04	0.00	14.65	1.25	0.04	0.00
12.10	1.25	0.04	0.00	14.70	1.25	0.04	0.00
12.15	1.25	0.04	0.00	14.75	1.25	0.04	0.00
12.20	1.25	0.04	0.00	14.80	1.25	0.04	0.00
12.25	1.25	0.04	0.00	14.85	1.25	0.04	0.00
12.30	1.25	0.04	0.00	14.90	1.25	0.04	0.00
12.35	1.25	0.04	0.00	14.95	1.25	0.04	0.00
12.40	1.25	0.04	0.00	15.00	1.25	0.04	0.00
12.45	1.25	0.04	0.00	15.05	1.25	0.04	0.00
12.50	1.25	0.04	0.00	15.10	1.25	0.04	0.00
12.55	1.25	0.04	0.00	15.15	1.25	0.04	0.00
12.60	1.25	0.04	0.00	15.20	1.25	0.04	0.00
12.65	1.25	0.04	0.00	15.25	1.25	0.04	0.00
12.70	1.25	0.04	0.00	15.30	1.25	0.04	0.00
12.75	1.25	0.04	0.00	15.35	1.25	0.04	0.00
12.80	1.25	0.04	0.00	15.40	1.25	0.04	0.00
12.85	1.25	0.04	0.00	15.45	1.25	0.04	0.00
12.90	1.25	0.04	0.00	15.50	1.25	0.04	0.00
12.95	1.25	0.04	0.00	15.55	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.04	0.00	18.20	1.25	0.04	0.00
15.65	1.25	0.04	0.00	18.25	1.25	0.04	0.00
15.70	1.25	0.04	0.00	18.30	1.25	0.04	0.00
15.75	1.25	0.04	0.00	18.35	1.25	0.04	0.00
15.80	1.25	0.04	0.00	18.40	1.25	0.04	0.00
15.85	1.25	0.04	0.00	18.45	1.25	0.04	0.00
15.90	1.25	0.04	0.00	18.50	1.25	0.04	0.00
15.95	1.25	0.04	0.00	18.55	1.25	0.04	0.00
16.00	1.25	0.04	0.00	18.60	1.25	0.04	0.00
16.05	1.25	0.04	0.00	18.65	1.25	0.04	0.00
16.10	1.25	0.04	0.00	18.70	1.25	0.04	0.00
16.15	1.25	0.04	0.00	18.75	1.25	0.04	0.00
16.20	1.25	0.04	0.00	18.80	1.25	0.04	0.00
16.25	1.25	0.04	0.00	18.85	1.25	0.04	0.00
16.30	1.25	0.04	0.00	18.90	1.25	0.04	0.00
16.35	1.25	0.04	0.00	18.95	1.25	0.04	0.00
16.40	1.25	0.04	0.00	19.00	1.25	0.04	0.00
16.45	1.25	0.04	0.00	19.05	1.25	0.04	0.00
16.50	1.25	0.04	0.00	19.10	1.25	0.04	0.00
16.55	1.25	0.04	0.00	19.15	1.25	0.04	0.00
16.60	1.25	0.04	0.00	19.20	1.25	0.04	0.00
16.65	1.25	0.04	0.00	19.25	1.25	0.04	0.00
16.70	1.25	0.04	0.00	19.30	1.25	0.04	0.00
16.75	1.25	0.04	0.00	19.35	1.25	0.04	0.00
16.80	1.25	0.04	0.00	19.40	1.25	0.04	0.00
16.85	1.25	0.04	0.00	19.45	1.25	0.04	0.00
16.90	1.25	0.04	0.00	19.50	1.25	0.04	0.00
16.95	1.25	0.04	0.00	19.55	1.25	0.04	0.00
17.00	1.25	0.04	0.00	19.60	1.25	0.04	0.00
17.05	1.25	0.04	0.00	19.65	1.25	0.04	0.00
17.10	1.25	0.04	0.00	19.70	1.25	0.04	0.00
17.15	1.25	0.04	0.00	19.75	1.25	0.04	0.00
17.20	1.25	0.04	0.00	19.80	1.25	0.04	0.00
17.25	1.25	0.04	0.00	19.85	1.25	0.04	0.00
17.30	1.25	0.04	0.00	19.90	1.25	0.04	0.00
17.35	1.25	0.04	0.00	19.95	1.25	0.04	0.00
17.40	1.25	0.04	0.00	20.00	1.25	0.04	0.00
17.45	1.25	0.04	0.00	20.05	1.25	0.04	0.00
17.50	1.25	0.04	0.00	20.10	1.25	0.04	0.00
17.55	1.25	0.04	0.00	20.15	1.25	0.04	0.00
17.60	1.25	0.04	0.00	20.20	1.25	0.04	0.00
17.65	1.25	0.04	0.00	20.25	1.25	0.04	0.00
17.70	1.25	0.04	0.00	20.30	1.25	0.04	0.00
17.75	1.25	0.04	0.00	20.35	1.25	0.04	0.00
17.80	1.25	0.04	0.00	20.40	1.25	0.04	0.00
17.85	1.25	0.04	0.00	20.45	1.25	0.04	0.00
17.90	1.25	0.04	0.00	20.50	1.25	0.04	0.00
17.95	1.25	0.04	0.00	20.55	1.25	0.04	0.00
18.00	1.25	0.04	0.00	20.60	1.25	0.04	0.00
18.05	1.25	0.04	0.00	20.65	1.25	0.04	0.00
18.10	1.25	0.04	0.00	20.70	1.25	0.04	0.00
18.15	1.25	0.04	0.00	20.75	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.04	0.00	23.40	1.25	0.04	0.00
20.85	1.25	0.04	0.00	23.45	1.25	0.04	0.00
20.90	1.25	0.04	0.00	23.50	1.25	0.04	0.00
20.95	1.25	0.04	0.00	23.55	1.25	0.04	0.00
21.00	1.25	0.04	0.00	23.60	1.25	0.04	0.00
21.05	1.25	0.04	0.00	23.65	1.25	0.04	0.00
21.10	1.25	0.04	0.00	23.70	1.25	0.04	0.00
21.15	1.25	0.04	0.00	23.75	1.25	0.04	0.00
21.20	1.25	0.04	0.00	23.80	1.25	0.04	0.00
21.25	1.25	0.04	0.00	23.85	1.25	0.04	0.00
21.30	1.25	0.04	0.00	23.90	1.25	0.04	0.00
21.35	1.25	0.04	0.00	23.95	1.25	0.04	0.00
21.40	1.25	0.04	0.00	24.00	1.25	0.04	0.00
21.45	1.25	0.04	0.00	24.05	1.25	0.04	0.00
21.50	1.25	0.04	0.00	24.10	1.25	0.04	0.00
21.55	1.25	0.04	0.00	24.15	1.25	0.04	0.00
21.60	1.25	0.04	0.00	24.20	1.25	0.04	0.00
21.65	1.25	0.04	0.00	24.25	1.25	0.04	0.00
21.70	1.25	0.04	0.00	24.30	1.25	0.04	0.00
21.75	1.25	0.04	0.00	24.35	1.25	0.04	0.00
21.80	1.25	0.04	0.00	24.40	1.25	0.04	0.00
21.85	1.25	0.04	0.00	24.45	1.25	0.04	0.00
21.90	1.25	0.04	0.00	24.50	1.25	0.04	0.00
21.95	1.25	0.04	0.00	24.55	1.25	0.04	0.00
22.00	1.25	0.04	0.00	24.60	1.25	0.04	0.00
22.05	1.25	0.04	0.00	24.65	1.25	0.04	0.00
22.10	1.25	0.04	0.00	24.70	1.25	0.04	0.00
22.15	1.25	0.04	0.00	24.75	1.25	0.04	0.00
22.20	1.25	0.04	0.00	24.80	1.25	0.04	0.00
22.25	1.25	0.04	0.00	24.85	1.25	0.04	0.00
22.30	1.25	0.04	0.00	24.90	1.25	0.04	0.00
22.35	1.25	0.04	0.00	24.95	1.25	0.04	0.00
22.40	1.25	0.04	0.00	25.00	1.25	0.04	0.00
22.45	1.25	0.04	0.00	25.05	1.25	0.04	0.00
22.50	1.25	0.04	0.00	25.10	1.25	0.04	0.00
22.55	1.25	0.04	0.00	25.15	1.25	0.04	0.00
22.60	1.25	0.04	0.00	25.20	1.25	0.04	0.00
22.65	1.25	0.04	0.00	25.25	1.25	0.04	0.00
22.70	1.25	0.04	0.00	25.30	1.25	0.04	0.00
22.75	1.25	0.04	0.00	25.35	1.25	0.04	0.00
22.80	1.25	0.04	0.00	25.40	1.25	0.04	0.00
22.85	1.25	0.04	0.00	25.45	1.25	0.04	0.00
22.90	1.25	0.04	0.00	25.50	1.25	0.04	0.00
22.95	1.25	0.04	0.00	25.55	1.25	0.04	0.00
23.00	1.25	0.04	0.00	25.60	1.25	0.04	0.00
23.05	1.25	0.04	0.00	25.65	1.25	0.04	0.00
23.10	1.25	0.04	0.00	25.70	1.25	0.04	0.00
23.15	1.25	0.04	0.00	25.75	1.25	0.04	0.00
23.20	1.25	0.04	0.00	25.80	1.25	0.04	0.00
23.25	1.25	0.04	0.00	25.85	1.25	0.04	0.00
23.30	1.25	0.04	0.00	25.90	1.25	0.04	0.00
23.35	1.25	0.04	0.00	25.95	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.04	0.00	28.60	1.25	0.04	0.00
26.05	1.25	0.04	0.00	28.65	1.25	0.04	0.00
26.10	1.25	0.04	0.00	28.70	1.25	0.04	0.00
26.15	1.25	0.04	0.00	28.75	1.25	0.04	0.00
26.20	1.25	0.04	0.00	28.80	1.25	0.04	0.00
26.25	1.25	0.04	0.00	28.85	1.25	0.04	0.00
26.30	1.25	0.04	0.00	28.90	1.25	0.04	0.00
26.35	1.25	0.04	0.00	28.95	1.25	0.04	0.00
26.40	1.25	0.04	0.00	29.00	1.25	0.04	0.00
26.45	1.25	0.04	0.00	29.05	1.25	0.04	0.00
26.50	1.25	0.04	0.00	29.10	1.25	0.04	0.00
26.55	1.25	0.04	0.00	29.15	1.25	0.04	0.00
26.60	1.25	0.04	0.00	29.20	1.25	0.04	0.00
26.65	1.25	0.04	0.00	29.25	1.25	0.04	0.00
26.70	1.25	0.04	0.00	29.30	1.25	0.04	0.00
26.75	1.25	0.04	0.00	29.35	1.25	0.04	0.00
26.80	1.25	0.04	0.00	29.40	1.25	0.04	0.00
26.85	1.25	0.04	0.00	29.45	1.25	0.04	0.00
26.90	1.25	0.04	0.00	29.50	1.25	0.04	0.00
26.95	1.25	0.04	0.00	29.55	1.25	0.04	0.00
27.00	1.25	0.04	0.00	29.60	1.25	0.04	0.00
27.05	1.25	0.04	0.00	29.65	1.25	0.04	0.00
27.10	1.25	0.04	0.00	29.70	1.25	0.04	0.00
27.15	1.25	0.04	0.00	29.75	1.25	0.04	0.00
27.20	1.25	0.04	0.00	29.80	1.25	0.04	0.00
27.25	1.25	0.04	0.00	29.85	1.25	0.04	0.00
27.30	1.25	0.04	0.00	29.90	1.25	0.04	0.00
27.35	1.25	0.04	0.00	29.95	1.25	0.04	0.00
27.40	1.25	0.04	0.00	30.00	1.25	0.04	0.00
27.45	1.25	0.04	0.00	30.05	1.25	0.04	0.00
27.50	1.25	0.04	0.00	30.10	1.25	0.04	0.00
27.55	1.25	0.04	0.00	30.15	1.25	0.04	0.00
27.60	1.25	0.04	0.00	30.20	1.25	0.04	0.00
27.65	1.25	0.04	0.00	30.25	1.25	0.04	0.00
27.70	1.25	0.04	0.00	30.30	1.25	0.04	0.00
27.75	1.25	0.04	0.00	30.35	1.25	0.04	0.00
27.80	1.25	0.04	0.00	30.40	1.25	0.04	0.00
27.85	1.25	0.04	0.00	30.45	1.25	0.04	0.00
27.90	1.25	0.04	0.00	30.50	1.25	0.04	0.00
27.95	1.25	0.04	0.00	30.55	1.25	0.04	0.00
28.00	1.25	0.04	0.00	30.60	1.25	0.04	0.00
28.05	1.25	0.04	0.00	30.65	1.25	0.04	0.00
28.10	1.25	0.04	0.00	30.70	1.25	0.04	0.00
28.15	1.25	0.04	0.00	30.75	1.25	0.04	0.00
28.20	1.25	0.04	0.00	30.80	1.25	0.04	0.00
28.25	1.25	0.04	0.00	30.85	1.25	0.04	0.00
28.30	1.25	0.04	0.00	30.90	1.25	0.04	0.00
28.35	1.25	0.04	0.00	30.95	1.25	0.04	0.00
28.40	1.25	0.04	0.00	31.00	1.25	0.04	0.00
28.45	1.25	0.04	0.00	31.05	1.25	0.04	0.00
28.50	1.25	0.04	0.00	31.10	1.25	0.04	0.00
28.55	1.25	0.04	0.00	31.15	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.04	0.00	33.80	1.25	0.04	0.00
31.25	1.25	0.04	0.00	33.85	1.25	0.04	0.00
31.30	1.25	0.04	0.00	33.90	1.25	0.04	0.00
31.35	1.25	0.04	0.00	33.95	1.25	0.04	0.00
31.40	1.25	0.04	0.00	34.00	1.25	0.04	0.00
31.45	1.25	0.04	0.00	34.05	1.25	0.04	0.00
31.50	1.25	0.04	0.00	34.10	1.25	0.04	0.00
31.55	1.25	0.04	0.00	34.15	1.25	0.04	0.00
31.60	1.25	0.04	0.00	34.20	1.25	0.04	0.00
31.65	1.25	0.04	0.00	34.25	1.25	0.04	0.00
31.70	1.25	0.04	0.00	34.30	1.25	0.04	0.00
31.75	1.25	0.04	0.00	34.35	1.25	0.04	0.00
31.80	1.25	0.04	0.00	34.40	1.25	0.04	0.00
31.85	1.25	0.04	0.00	34.45	1.25	0.04	0.00
31.90	1.25	0.04	0.00	34.50	1.25	0.04	0.00
31.95	1.25	0.04	0.00	34.55	1.25	0.04	0.00
32.00	1.25	0.04	0.00	34.60	1.25	0.04	0.00
32.05	1.25	0.04	0.00	34.65	1.25	0.04	0.00
32.10	1.25	0.04	0.00	34.70	1.25	0.04	0.00
32.15	1.25	0.04	0.00	34.75	1.25	0.04	0.00
32.20	1.25	0.04	0.00	34.80	1.25	0.04	0.00
32.25	1.25	0.04	0.00	34.85	1.25	0.04	0.00
32.30	1.25	0.04	0.00	34.90	1.25	0.04	0.00
32.35	1.25	0.04	0.00	34.95	1.25	0.04	0.00
32.40	1.25	0.04	0.00	35.00	1.25	0.04	0.00
32.45	1.25	0.04	0.00	35.05	1.25	0.04	0.00
32.50	1.25	0.04	0.00	35.10	1.25	0.04	0.00
32.55	1.25	0.04	0.00	35.15	1.25	0.04	0.00
32.60	1.25	0.04	0.00	35.20	1.25	0.04	0.00
32.65	1.25	0.04	0.00	35.25	1.25	0.04	0.00
32.70	1.25	0.04	0.00	35.30	1.25	0.04	0.00
32.75	1.25	0.04	0.00	35.35	1.25	0.04	0.00
32.80	1.25	0.04	0.00	35.40	1.25	0.04	0.00
32.85	1.25	0.04	0.00	35.45	1.25	0.04	0.00
32.90	1.25	0.04	0.00	35.50	1.25	0.04	0.00
32.95	1.25	0.04	0.00	35.55	1.25	0.04	0.00
33.00	1.25	0.04	0.00	35.60	1.25	0.04	0.00
33.05	1.25	0.04	0.00	35.65	1.25	0.04	0.00
33.10	1.25	0.04	0.00	35.70	1.25	0.04	0.00
33.15	1.25	0.04	0.00	35.75	1.25	0.04	0.00
33.20	1.25	0.04	0.00	35.80	1.25	0.04	0.00
33.25	1.25	0.04	0.00	35.85	1.25	0.04	0.00
33.30	1.25	0.04	0.00	35.90	1.25	0.04	0.00
33.35	1.25	0.04	0.00	35.95	1.25	0.04	0.00
33.40	1.25	0.04	0.00	36.00	1.25	0.04	0.00
33.45	1.25	0.04	0.00	36.05	1.25	0.04	0.00
33.50	1.25	0.04	0.00	36.10	1.25	0.04	0.00
33.55	1.25	0.04	0.00	36.15	1.25	0.04	0.00
33.60	1.25	0.04	0.00	36.20	1.25	0.04	0.00
33.65	1.25	0.04	0.00	36.25	1.25	0.04	0.00
33.70	1.25	0.04	0.00	36.30	1.25	0.04	0.00
33.75	1.25	0.04	0.00	36.35	1.25	0.04	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.04	0.00	39.00	1.25	0.04	0.00
36.45	1.25	0.04	0.00	39.05	1.25	0.04	0.00
36.50	1.25	0.04	0.00	39.10	1.25	0.04	0.00
36.55	1.25	0.04	0.00	39.15	1.25	0.04	0.00
36.60	1.25	0.04	0.00	39.20	1.25	0.04	0.00
36.65	1.25	0.04	0.00	39.25	1.25	0.04	0.00
36.70	1.25	0.04	0.00	39.30	1.25	0.04	0.00
36.75	1.25	0.04	0.00	39.35	1.25	0.04	0.00
36.80	1.25	0.04	0.00	39.40	1.25	0.04	0.00
36.85	1.25	0.04	0.00	39.45	1.25	0.04	0.00
36.90	1.25	0.04	0.00	39.50	1.25	0.04	0.00
36.95	1.25	0.04	0.00	39.55	1.25	0.04	0.00
37.00	1.25	0.04	0.00	39.60	1.25	0.04	0.00
37.05	1.25	0.04	0.00	39.65	1.25	0.04	0.00
37.10	1.25	0.04	0.00	39.70	1.25	0.04	0.00
37.15	1.25	0.04	0.00	39.75	1.25	0.04	0.00
37.20	1.25	0.04	0.00	39.80	1.25	0.04	0.00
37.25	1.25	0.04	0.00	39.85	1.25	0.04	0.00
37.30	1.25	0.04	0.00	39.90	1.25	0.04	0.00
37.35	1.25	0.04	0.00	39.95	1.25	0.04	0.00
37.40	1.25	0.04	0.00	40.00	1.25	0.04	0.00
37.45	1.25	0.04	0.00				
37.50	1.25	0.04	0.00				
37.55	1.25	0.04	0.00				
37.60	1.25	0.04	0.00				
37.65	1.25	0.04	0.00				
37.70	1.25	0.04	0.00				
37.75	1.25	0.04	0.00				
37.80	1.25	0.04	0.00				
37.85	1.25	0.04	0.00				
37.90	1.25	0.04	0.00				
37.95	1.25	0.04	0.00				
38.00	1.25	0.04	0.00				
38.05	1.25	0.04	0.00				
38.10	1.25	0.04	0.00				
38.15	1.25	0.04	0.00				
38.20	1.25	0.04	0.00				
38.25	1.25	0.04	0.00				
38.30	1.25	0.04	0.00				
38.35	1.25	0.04	0.00				
38.40	1.25	0.04	0.00				
38.45	1.25	0.04	0.00				
38.50	1.25	0.04	0.00				
38.55	1.25	0.04	0.00				
38.60	1.25	0.04	0.00				
38.65	1.25	0.04	0.00				
38.70	1.25	0.04	0.00				
38.75	1.25	0.04	0.00				
38.80	1.25	0.04	0.00				
38.85	1.25	0.04	0.00				
38.90	1.25	0.04	0.00				
38.95	1.25	0.04	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 1.34 cfs @ 1.33 hrs, Volume= 0.082 af, Depth= 0.03"
Routed to Link XDA-6O : XDA-6O

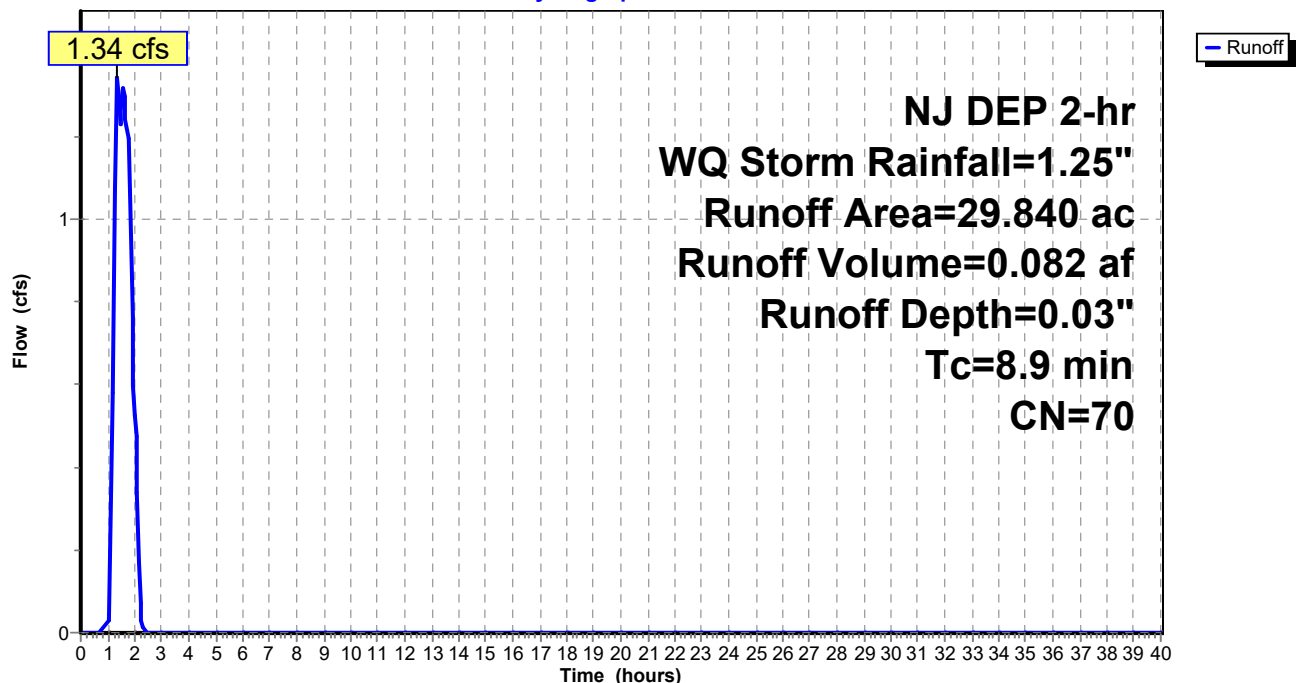
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.03	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.03	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.03	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.03	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.03	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.03	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.03	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.03	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.03	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.03	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.03	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.03	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.03	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.03	0.00
1.10	0.91	0.00	0.01	3.70	1.25	0.03	0.00
1.15	0.97	0.00	0.15	3.75	1.25	0.03	0.00
1.20	1.02	0.01	0.58	3.80	1.25	0.03	0.00
1.25	1.05	0.01	1.08	3.85	1.25	0.03	0.00
1.30	1.07	0.01	1.33	3.90	1.25	0.03	0.00
1.35	1.09	0.01	1.34	3.95	1.25	0.03	0.00
1.40	1.11	0.01	1.25	4.00	1.25	0.03	0.00
1.45	1.13	0.02	1.23	4.05	1.25	0.03	0.00
1.50	1.15	0.02	1.27	4.10	1.25	0.03	0.00
1.55	1.17	0.02	1.32	4.15	1.25	0.03	0.00
1.60	1.18	0.02	1.30	4.20	1.25	0.03	0.00
1.65	1.20	0.02	1.24	4.25	1.25	0.03	0.00
1.70	1.21	0.03	1.23	4.30	1.25	0.03	0.00
1.75	1.23	0.03	1.25	4.35	1.25	0.03	0.00
1.80	1.23	0.03	1.24	4.40	1.25	0.03	0.00
1.85	1.24	0.03	1.05	4.45	1.25	0.03	0.00
1.90	1.24	0.03	0.76	4.50	1.25	0.03	0.00
1.95	1.25	0.03	0.60	4.55	1.25	0.03	0.00
2.00	1.25	0.03	0.53	4.60	1.25	0.03	0.00
2.05	1.25	0.03	0.47	4.65	1.25	0.03	0.00
2.10	1.25	0.03	0.34	4.70	1.25	0.03	0.00
2.15	1.25	0.03	0.17	4.75	1.25	0.03	0.00
2.20	1.25	0.03	0.07	4.80	1.25	0.03	0.00
2.25	1.25	0.03	0.03	4.85	1.25	0.03	0.00
2.30	1.25	0.03	0.01	4.90	1.25	0.03	0.00
2.35	1.25	0.03	0.01	4.95	1.25	0.03	0.00
2.40	1.25	0.03	0.00	5.00	1.25	0.03	0.00
2.45	1.25	0.03	0.00	5.05	1.25	0.03	0.00
2.50	1.25	0.03	0.00	5.10	1.25	0.03	0.00
2.55	1.25	0.03	0.00	5.15	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.03	0.00	7.80	1.25	0.03	0.00
5.25	1.25	0.03	0.00	7.85	1.25	0.03	0.00
5.30	1.25	0.03	0.00	7.90	1.25	0.03	0.00
5.35	1.25	0.03	0.00	7.95	1.25	0.03	0.00
5.40	1.25	0.03	0.00	8.00	1.25	0.03	0.00
5.45	1.25	0.03	0.00	8.05	1.25	0.03	0.00
5.50	1.25	0.03	0.00	8.10	1.25	0.03	0.00
5.55	1.25	0.03	0.00	8.15	1.25	0.03	0.00
5.60	1.25	0.03	0.00	8.20	1.25	0.03	0.00
5.65	1.25	0.03	0.00	8.25	1.25	0.03	0.00
5.70	1.25	0.03	0.00	8.30	1.25	0.03	0.00
5.75	1.25	0.03	0.00	8.35	1.25	0.03	0.00
5.80	1.25	0.03	0.00	8.40	1.25	0.03	0.00
5.85	1.25	0.03	0.00	8.45	1.25	0.03	0.00
5.90	1.25	0.03	0.00	8.50	1.25	0.03	0.00
5.95	1.25	0.03	0.00	8.55	1.25	0.03	0.00
6.00	1.25	0.03	0.00	8.60	1.25	0.03	0.00
6.05	1.25	0.03	0.00	8.65	1.25	0.03	0.00
6.10	1.25	0.03	0.00	8.70	1.25	0.03	0.00
6.15	1.25	0.03	0.00	8.75	1.25	0.03	0.00
6.20	1.25	0.03	0.00	8.80	1.25	0.03	0.00
6.25	1.25	0.03	0.00	8.85	1.25	0.03	0.00
6.30	1.25	0.03	0.00	8.90	1.25	0.03	0.00
6.35	1.25	0.03	0.00	8.95	1.25	0.03	0.00
6.40	1.25	0.03	0.00	9.00	1.25	0.03	0.00
6.45	1.25	0.03	0.00	9.05	1.25	0.03	0.00
6.50	1.25	0.03	0.00	9.10	1.25	0.03	0.00
6.55	1.25	0.03	0.00	9.15	1.25	0.03	0.00
6.60	1.25	0.03	0.00	9.20	1.25	0.03	0.00
6.65	1.25	0.03	0.00	9.25	1.25	0.03	0.00
6.70	1.25	0.03	0.00	9.30	1.25	0.03	0.00
6.75	1.25	0.03	0.00	9.35	1.25	0.03	0.00
6.80	1.25	0.03	0.00	9.40	1.25	0.03	0.00
6.85	1.25	0.03	0.00	9.45	1.25	0.03	0.00
6.90	1.25	0.03	0.00	9.50	1.25	0.03	0.00
6.95	1.25	0.03	0.00	9.55	1.25	0.03	0.00
7.00	1.25	0.03	0.00	9.60	1.25	0.03	0.00
7.05	1.25	0.03	0.00	9.65	1.25	0.03	0.00
7.10	1.25	0.03	0.00	9.70	1.25	0.03	0.00
7.15	1.25	0.03	0.00	9.75	1.25	0.03	0.00
7.20	1.25	0.03	0.00	9.80	1.25	0.03	0.00
7.25	1.25	0.03	0.00	9.85	1.25	0.03	0.00
7.30	1.25	0.03	0.00	9.90	1.25	0.03	0.00
7.35	1.25	0.03	0.00	9.95	1.25	0.03	0.00
7.40	1.25	0.03	0.00	10.00	1.25	0.03	0.00
7.45	1.25	0.03	0.00	10.05	1.25	0.03	0.00
7.50	1.25	0.03	0.00	10.10	1.25	0.03	0.00
7.55	1.25	0.03	0.00	10.15	1.25	0.03	0.00
7.60	1.25	0.03	0.00	10.20	1.25	0.03	0.00
7.65	1.25	0.03	0.00	10.25	1.25	0.03	0.00
7.70	1.25	0.03	0.00	10.30	1.25	0.03	0.00
7.75	1.25	0.03	0.00	10.35	1.25	0.03	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.03	0.00	13.00	1.25	0.03	0.00
10.45	1.25	0.03	0.00	13.05	1.25	0.03	0.00
10.50	1.25	0.03	0.00	13.10	1.25	0.03	0.00
10.55	1.25	0.03	0.00	13.15	1.25	0.03	0.00
10.60	1.25	0.03	0.00	13.20	1.25	0.03	0.00
10.65	1.25	0.03	0.00	13.25	1.25	0.03	0.00
10.70	1.25	0.03	0.00	13.30	1.25	0.03	0.00
10.75	1.25	0.03	0.00	13.35	1.25	0.03	0.00
10.80	1.25	0.03	0.00	13.40	1.25	0.03	0.00
10.85	1.25	0.03	0.00	13.45	1.25	0.03	0.00
10.90	1.25	0.03	0.00	13.50	1.25	0.03	0.00
10.95	1.25	0.03	0.00	13.55	1.25	0.03	0.00
11.00	1.25	0.03	0.00	13.60	1.25	0.03	0.00
11.05	1.25	0.03	0.00	13.65	1.25	0.03	0.00
11.10	1.25	0.03	0.00	13.70	1.25	0.03	0.00
11.15	1.25	0.03	0.00	13.75	1.25	0.03	0.00
11.20	1.25	0.03	0.00	13.80	1.25	0.03	0.00
11.25	1.25	0.03	0.00	13.85	1.25	0.03	0.00
11.30	1.25	0.03	0.00	13.90	1.25	0.03	0.00
11.35	1.25	0.03	0.00	13.95	1.25	0.03	0.00
11.40	1.25	0.03	0.00	14.00	1.25	0.03	0.00
11.45	1.25	0.03	0.00	14.05	1.25	0.03	0.00
11.50	1.25	0.03	0.00	14.10	1.25	0.03	0.00
11.55	1.25	0.03	0.00	14.15	1.25	0.03	0.00
11.60	1.25	0.03	0.00	14.20	1.25	0.03	0.00
11.65	1.25	0.03	0.00	14.25	1.25	0.03	0.00
11.70	1.25	0.03	0.00	14.30	1.25	0.03	0.00
11.75	1.25	0.03	0.00	14.35	1.25	0.03	0.00
11.80	1.25	0.03	0.00	14.40	1.25	0.03	0.00
11.85	1.25	0.03	0.00	14.45	1.25	0.03	0.00
11.90	1.25	0.03	0.00	14.50	1.25	0.03	0.00
11.95	1.25	0.03	0.00	14.55	1.25	0.03	0.00
12.00	1.25	0.03	0.00	14.60	1.25	0.03	0.00
12.05	1.25	0.03	0.00	14.65	1.25	0.03	0.00
12.10	1.25	0.03	0.00	14.70	1.25	0.03	0.00
12.15	1.25	0.03	0.00	14.75	1.25	0.03	0.00
12.20	1.25	0.03	0.00	14.80	1.25	0.03	0.00
12.25	1.25	0.03	0.00	14.85	1.25	0.03	0.00
12.30	1.25	0.03	0.00	14.90	1.25	0.03	0.00
12.35	1.25	0.03	0.00	14.95	1.25	0.03	0.00
12.40	1.25	0.03	0.00	15.00	1.25	0.03	0.00
12.45	1.25	0.03	0.00	15.05	1.25	0.03	0.00
12.50	1.25	0.03	0.00	15.10	1.25	0.03	0.00
12.55	1.25	0.03	0.00	15.15	1.25	0.03	0.00
12.60	1.25	0.03	0.00	15.20	1.25	0.03	0.00
12.65	1.25	0.03	0.00	15.25	1.25	0.03	0.00
12.70	1.25	0.03	0.00	15.30	1.25	0.03	0.00
12.75	1.25	0.03	0.00	15.35	1.25	0.03	0.00
12.80	1.25	0.03	0.00	15.40	1.25	0.03	0.00
12.85	1.25	0.03	0.00	15.45	1.25	0.03	0.00
12.90	1.25	0.03	0.00	15.50	1.25	0.03	0.00
12.95	1.25	0.03	0.00	15.55	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.03	0.00	18.20	1.25	0.03	0.00
15.65	1.25	0.03	0.00	18.25	1.25	0.03	0.00
15.70	1.25	0.03	0.00	18.30	1.25	0.03	0.00
15.75	1.25	0.03	0.00	18.35	1.25	0.03	0.00
15.80	1.25	0.03	0.00	18.40	1.25	0.03	0.00
15.85	1.25	0.03	0.00	18.45	1.25	0.03	0.00
15.90	1.25	0.03	0.00	18.50	1.25	0.03	0.00
15.95	1.25	0.03	0.00	18.55	1.25	0.03	0.00
16.00	1.25	0.03	0.00	18.60	1.25	0.03	0.00
16.05	1.25	0.03	0.00	18.65	1.25	0.03	0.00
16.10	1.25	0.03	0.00	18.70	1.25	0.03	0.00
16.15	1.25	0.03	0.00	18.75	1.25	0.03	0.00
16.20	1.25	0.03	0.00	18.80	1.25	0.03	0.00
16.25	1.25	0.03	0.00	18.85	1.25	0.03	0.00
16.30	1.25	0.03	0.00	18.90	1.25	0.03	0.00
16.35	1.25	0.03	0.00	18.95	1.25	0.03	0.00
16.40	1.25	0.03	0.00	19.00	1.25	0.03	0.00
16.45	1.25	0.03	0.00	19.05	1.25	0.03	0.00
16.50	1.25	0.03	0.00	19.10	1.25	0.03	0.00
16.55	1.25	0.03	0.00	19.15	1.25	0.03	0.00
16.60	1.25	0.03	0.00	19.20	1.25	0.03	0.00
16.65	1.25	0.03	0.00	19.25	1.25	0.03	0.00
16.70	1.25	0.03	0.00	19.30	1.25	0.03	0.00
16.75	1.25	0.03	0.00	19.35	1.25	0.03	0.00
16.80	1.25	0.03	0.00	19.40	1.25	0.03	0.00
16.85	1.25	0.03	0.00	19.45	1.25	0.03	0.00
16.90	1.25	0.03	0.00	19.50	1.25	0.03	0.00
16.95	1.25	0.03	0.00	19.55	1.25	0.03	0.00
17.00	1.25	0.03	0.00	19.60	1.25	0.03	0.00
17.05	1.25	0.03	0.00	19.65	1.25	0.03	0.00
17.10	1.25	0.03	0.00	19.70	1.25	0.03	0.00
17.15	1.25	0.03	0.00	19.75	1.25	0.03	0.00
17.20	1.25	0.03	0.00	19.80	1.25	0.03	0.00
17.25	1.25	0.03	0.00	19.85	1.25	0.03	0.00
17.30	1.25	0.03	0.00	19.90	1.25	0.03	0.00
17.35	1.25	0.03	0.00	19.95	1.25	0.03	0.00
17.40	1.25	0.03	0.00	20.00	1.25	0.03	0.00
17.45	1.25	0.03	0.00	20.05	1.25	0.03	0.00
17.50	1.25	0.03	0.00	20.10	1.25	0.03	0.00
17.55	1.25	0.03	0.00	20.15	1.25	0.03	0.00
17.60	1.25	0.03	0.00	20.20	1.25	0.03	0.00
17.65	1.25	0.03	0.00	20.25	1.25	0.03	0.00
17.70	1.25	0.03	0.00	20.30	1.25	0.03	0.00
17.75	1.25	0.03	0.00	20.35	1.25	0.03	0.00
17.80	1.25	0.03	0.00	20.40	1.25	0.03	0.00
17.85	1.25	0.03	0.00	20.45	1.25	0.03	0.00
17.90	1.25	0.03	0.00	20.50	1.25	0.03	0.00
17.95	1.25	0.03	0.00	20.55	1.25	0.03	0.00
18.00	1.25	0.03	0.00	20.60	1.25	0.03	0.00
18.05	1.25	0.03	0.00	20.65	1.25	0.03	0.00
18.10	1.25	0.03	0.00	20.70	1.25	0.03	0.00
18.15	1.25	0.03	0.00	20.75	1.25	0.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.03	0.00	23.40	1.25	0.03	0.00
20.85	1.25	0.03	0.00	23.45	1.25	0.03	0.00
20.90	1.25	0.03	0.00	23.50	1.25	0.03	0.00
20.95	1.25	0.03	0.00	23.55	1.25	0.03	0.00
21.00	1.25	0.03	0.00	23.60	1.25	0.03	0.00
21.05	1.25	0.03	0.00	23.65	1.25	0.03	0.00
21.10	1.25	0.03	0.00	23.70	1.25	0.03	0.00
21.15	1.25	0.03	0.00	23.75	1.25	0.03	0.00
21.20	1.25	0.03	0.00	23.80	1.25	0.03	0.00
21.25	1.25	0.03	0.00	23.85	1.25	0.03	0.00
21.30	1.25	0.03	0.00	23.90	1.25	0.03	0.00
21.35	1.25	0.03	0.00	23.95	1.25	0.03	0.00
21.40	1.25	0.03	0.00	24.00	1.25	0.03	0.00
21.45	1.25	0.03	0.00	24.05	1.25	0.03	0.00
21.50	1.25	0.03	0.00	24.10	1.25	0.03	0.00
21.55	1.25	0.03	0.00	24.15	1.25	0.03	0.00
21.60	1.25	0.03	0.00	24.20	1.25	0.03	0.00
21.65	1.25	0.03	0.00	24.25	1.25	0.03	0.00
21.70	1.25	0.03	0.00	24.30	1.25	0.03	0.00
21.75	1.25	0.03	0.00	24.35	1.25	0.03	0.00
21.80	1.25	0.03	0.00	24.40	1.25	0.03	0.00
21.85	1.25	0.03	0.00	24.45	1.25	0.03	0.00
21.90	1.25	0.03	0.00	24.50	1.25	0.03	0.00
21.95	1.25	0.03	0.00	24.55	1.25	0.03	0.00
22.00	1.25	0.03	0.00	24.60	1.25	0.03	0.00
22.05	1.25	0.03	0.00	24.65	1.25	0.03	0.00
22.10	1.25	0.03	0.00	24.70	1.25	0.03	0.00
22.15	1.25	0.03	0.00	24.75	1.25	0.03	0.00
22.20	1.25	0.03	0.00	24.80	1.25	0.03	0.00
22.25	1.25	0.03	0.00	24.85	1.25	0.03	0.00
22.30	1.25	0.03	0.00	24.90	1.25	0.03	0.00
22.35	1.25	0.03	0.00	24.95	1.25	0.03	0.00
22.40	1.25	0.03	0.00	25.00	1.25	0.03	0.00
22.45	1.25	0.03	0.00	25.05	1.25	0.03	0.00
22.50	1.25	0.03	0.00	25.10	1.25	0.03	0.00
22.55	1.25	0.03	0.00	25.15	1.25	0.03	0.00
22.60	1.25	0.03	0.00	25.20	1.25	0.03	0.00
22.65	1.25	0.03	0.00	25.25	1.25	0.03	0.00
22.70	1.25	0.03	0.00	25.30	1.25	0.03	0.00
22.75	1.25	0.03	0.00	25.35	1.25	0.03	0.00
22.80	1.25	0.03	0.00	25.40	1.25	0.03	0.00
22.85	1.25	0.03	0.00	25.45	1.25	0.03	0.00
22.90	1.25	0.03	0.00	25.50	1.25	0.03	0.00
22.95	1.25	0.03	0.00	25.55	1.25	0.03	0.00
23.00	1.25	0.03	0.00	25.60	1.25	0.03	0.00
23.05	1.25	0.03	0.00	25.65	1.25	0.03	0.00
23.10	1.25	0.03	0.00	25.70	1.25	0.03	0.00
23.15	1.25	0.03	0.00	25.75	1.25	0.03	0.00
23.20	1.25	0.03	0.00	25.80	1.25	0.03	0.00
23.25	1.25	0.03	0.00	25.85	1.25	0.03	0.00
23.30	1.25	0.03	0.00	25.90	1.25	0.03	0.00
23.35	1.25	0.03	0.00	25.95	1.25	0.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.03	0.00	28.60	1.25	0.03	0.00
26.05	1.25	0.03	0.00	28.65	1.25	0.03	0.00
26.10	1.25	0.03	0.00	28.70	1.25	0.03	0.00
26.15	1.25	0.03	0.00	28.75	1.25	0.03	0.00
26.20	1.25	0.03	0.00	28.80	1.25	0.03	0.00
26.25	1.25	0.03	0.00	28.85	1.25	0.03	0.00
26.30	1.25	0.03	0.00	28.90	1.25	0.03	0.00
26.35	1.25	0.03	0.00	28.95	1.25	0.03	0.00
26.40	1.25	0.03	0.00	29.00	1.25	0.03	0.00
26.45	1.25	0.03	0.00	29.05	1.25	0.03	0.00
26.50	1.25	0.03	0.00	29.10	1.25	0.03	0.00
26.55	1.25	0.03	0.00	29.15	1.25	0.03	0.00
26.60	1.25	0.03	0.00	29.20	1.25	0.03	0.00
26.65	1.25	0.03	0.00	29.25	1.25	0.03	0.00
26.70	1.25	0.03	0.00	29.30	1.25	0.03	0.00
26.75	1.25	0.03	0.00	29.35	1.25	0.03	0.00
26.80	1.25	0.03	0.00	29.40	1.25	0.03	0.00
26.85	1.25	0.03	0.00	29.45	1.25	0.03	0.00
26.90	1.25	0.03	0.00	29.50	1.25	0.03	0.00
26.95	1.25	0.03	0.00	29.55	1.25	0.03	0.00
27.00	1.25	0.03	0.00	29.60	1.25	0.03	0.00
27.05	1.25	0.03	0.00	29.65	1.25	0.03	0.00
27.10	1.25	0.03	0.00	29.70	1.25	0.03	0.00
27.15	1.25	0.03	0.00	29.75	1.25	0.03	0.00
27.20	1.25	0.03	0.00	29.80	1.25	0.03	0.00
27.25	1.25	0.03	0.00	29.85	1.25	0.03	0.00
27.30	1.25	0.03	0.00	29.90	1.25	0.03	0.00
27.35	1.25	0.03	0.00	29.95	1.25	0.03	0.00
27.40	1.25	0.03	0.00	30.00	1.25	0.03	0.00
27.45	1.25	0.03	0.00	30.05	1.25	0.03	0.00
27.50	1.25	0.03	0.00	30.10	1.25	0.03	0.00
27.55	1.25	0.03	0.00	30.15	1.25	0.03	0.00
27.60	1.25	0.03	0.00	30.20	1.25	0.03	0.00
27.65	1.25	0.03	0.00	30.25	1.25	0.03	0.00
27.70	1.25	0.03	0.00	30.30	1.25	0.03	0.00
27.75	1.25	0.03	0.00	30.35	1.25	0.03	0.00
27.80	1.25	0.03	0.00	30.40	1.25	0.03	0.00
27.85	1.25	0.03	0.00	30.45	1.25	0.03	0.00
27.90	1.25	0.03	0.00	30.50	1.25	0.03	0.00
27.95	1.25	0.03	0.00	30.55	1.25	0.03	0.00
28.00	1.25	0.03	0.00	30.60	1.25	0.03	0.00
28.05	1.25	0.03	0.00	30.65	1.25	0.03	0.00
28.10	1.25	0.03	0.00	30.70	1.25	0.03	0.00
28.15	1.25	0.03	0.00	30.75	1.25	0.03	0.00
28.20	1.25	0.03	0.00	30.80	1.25	0.03	0.00
28.25	1.25	0.03	0.00	30.85	1.25	0.03	0.00
28.30	1.25	0.03	0.00	30.90	1.25	0.03	0.00
28.35	1.25	0.03	0.00	30.95	1.25	0.03	0.00
28.40	1.25	0.03	0.00	31.00	1.25	0.03	0.00
28.45	1.25	0.03	0.00	31.05	1.25	0.03	0.00
28.50	1.25	0.03	0.00	31.10	1.25	0.03	0.00
28.55	1.25	0.03	0.00	31.15	1.25	0.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.03	0.00	33.80	1.25	0.03	0.00
31.25	1.25	0.03	0.00	33.85	1.25	0.03	0.00
31.30	1.25	0.03	0.00	33.90	1.25	0.03	0.00
31.35	1.25	0.03	0.00	33.95	1.25	0.03	0.00
31.40	1.25	0.03	0.00	34.00	1.25	0.03	0.00
31.45	1.25	0.03	0.00	34.05	1.25	0.03	0.00
31.50	1.25	0.03	0.00	34.10	1.25	0.03	0.00
31.55	1.25	0.03	0.00	34.15	1.25	0.03	0.00
31.60	1.25	0.03	0.00	34.20	1.25	0.03	0.00
31.65	1.25	0.03	0.00	34.25	1.25	0.03	0.00
31.70	1.25	0.03	0.00	34.30	1.25	0.03	0.00
31.75	1.25	0.03	0.00	34.35	1.25	0.03	0.00
31.80	1.25	0.03	0.00	34.40	1.25	0.03	0.00
31.85	1.25	0.03	0.00	34.45	1.25	0.03	0.00
31.90	1.25	0.03	0.00	34.50	1.25	0.03	0.00
31.95	1.25	0.03	0.00	34.55	1.25	0.03	0.00
32.00	1.25	0.03	0.00	34.60	1.25	0.03	0.00
32.05	1.25	0.03	0.00	34.65	1.25	0.03	0.00
32.10	1.25	0.03	0.00	34.70	1.25	0.03	0.00
32.15	1.25	0.03	0.00	34.75	1.25	0.03	0.00
32.20	1.25	0.03	0.00	34.80	1.25	0.03	0.00
32.25	1.25	0.03	0.00	34.85	1.25	0.03	0.00
32.30	1.25	0.03	0.00	34.90	1.25	0.03	0.00
32.35	1.25	0.03	0.00	34.95	1.25	0.03	0.00
32.40	1.25	0.03	0.00	35.00	1.25	0.03	0.00
32.45	1.25	0.03	0.00	35.05	1.25	0.03	0.00
32.50	1.25	0.03	0.00	35.10	1.25	0.03	0.00
32.55	1.25	0.03	0.00	35.15	1.25	0.03	0.00
32.60	1.25	0.03	0.00	35.20	1.25	0.03	0.00
32.65	1.25	0.03	0.00	35.25	1.25	0.03	0.00
32.70	1.25	0.03	0.00	35.30	1.25	0.03	0.00
32.75	1.25	0.03	0.00	35.35	1.25	0.03	0.00
32.80	1.25	0.03	0.00	35.40	1.25	0.03	0.00
32.85	1.25	0.03	0.00	35.45	1.25	0.03	0.00
32.90	1.25	0.03	0.00	35.50	1.25	0.03	0.00
32.95	1.25	0.03	0.00	35.55	1.25	0.03	0.00
33.00	1.25	0.03	0.00	35.60	1.25	0.03	0.00
33.05	1.25	0.03	0.00	35.65	1.25	0.03	0.00
33.10	1.25	0.03	0.00	35.70	1.25	0.03	0.00
33.15	1.25	0.03	0.00	35.75	1.25	0.03	0.00
33.20	1.25	0.03	0.00	35.80	1.25	0.03	0.00
33.25	1.25	0.03	0.00	35.85	1.25	0.03	0.00
33.30	1.25	0.03	0.00	35.90	1.25	0.03	0.00
33.35	1.25	0.03	0.00	35.95	1.25	0.03	0.00
33.40	1.25	0.03	0.00	36.00	1.25	0.03	0.00
33.45	1.25	0.03	0.00	36.05	1.25	0.03	0.00
33.50	1.25	0.03	0.00	36.10	1.25	0.03	0.00
33.55	1.25	0.03	0.00	36.15	1.25	0.03	0.00
33.60	1.25	0.03	0.00	36.20	1.25	0.03	0.00
33.65	1.25	0.03	0.00	36.25	1.25	0.03	0.00
33.70	1.25	0.03	0.00	36.30	1.25	0.03	0.00
33.75	1.25	0.03	0.00	36.35	1.25	0.03	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.03	0.00	39.00	1.25	0.03	0.00
36.45	1.25	0.03	0.00	39.05	1.25	0.03	0.00
36.50	1.25	0.03	0.00	39.10	1.25	0.03	0.00
36.55	1.25	0.03	0.00	39.15	1.25	0.03	0.00
36.60	1.25	0.03	0.00	39.20	1.25	0.03	0.00
36.65	1.25	0.03	0.00	39.25	1.25	0.03	0.00
36.70	1.25	0.03	0.00	39.30	1.25	0.03	0.00
36.75	1.25	0.03	0.00	39.35	1.25	0.03	0.00
36.80	1.25	0.03	0.00	39.40	1.25	0.03	0.00
36.85	1.25	0.03	0.00	39.45	1.25	0.03	0.00
36.90	1.25	0.03	0.00	39.50	1.25	0.03	0.00
36.95	1.25	0.03	0.00	39.55	1.25	0.03	0.00
37.00	1.25	0.03	0.00	39.60	1.25	0.03	0.00
37.05	1.25	0.03	0.00	39.65	1.25	0.03	0.00
37.10	1.25	0.03	0.00	39.70	1.25	0.03	0.00
37.15	1.25	0.03	0.00	39.75	1.25	0.03	0.00
37.20	1.25	0.03	0.00	39.80	1.25	0.03	0.00
37.25	1.25	0.03	0.00	39.85	1.25	0.03	0.00
37.30	1.25	0.03	0.00	39.90	1.25	0.03	0.00
37.35	1.25	0.03	0.00	39.95	1.25	0.03	0.00
37.40	1.25	0.03	0.00	40.00	1.25	0.03	0.00
37.45	1.25	0.03	0.00				
37.50	1.25	0.03	0.00				
37.55	1.25	0.03	0.00				
37.60	1.25	0.03	0.00				
37.65	1.25	0.03	0.00				
37.70	1.25	0.03	0.00				
37.75	1.25	0.03	0.00				
37.80	1.25	0.03	0.00				
37.85	1.25	0.03	0.00				
37.90	1.25	0.03	0.00				
37.95	1.25	0.03	0.00				
38.00	1.25	0.03	0.00				
38.05	1.25	0.03	0.00				
38.10	1.25	0.03	0.00				
38.15	1.25	0.03	0.00				
38.20	1.25	0.03	0.00				
38.25	1.25	0.03	0.00				
38.30	1.25	0.03	0.00				
38.35	1.25	0.03	0.00				
38.40	1.25	0.03	0.00				
38.45	1.25	0.03	0.00				
38.50	1.25	0.03	0.00				
38.55	1.25	0.03	0.00				
38.60	1.25	0.03	0.00				
38.65	1.25	0.03	0.00				
38.70	1.25	0.03	0.00				
38.75	1.25	0.03	0.00				
38.80	1.25	0.03	0.00				
38.85	1.25	0.03	0.00				
38.90	1.25	0.03	0.00				
38.95	1.25	0.03	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"

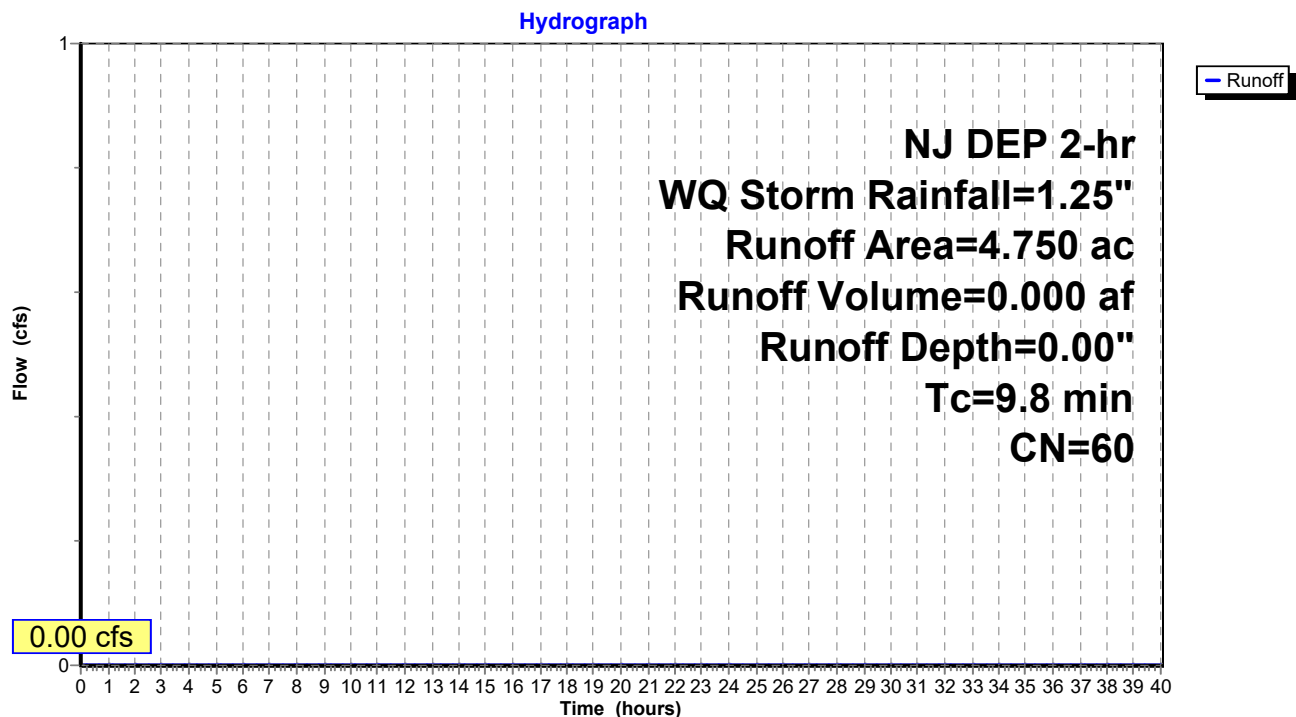
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)



2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	1.25	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391

NJ DEP 2-hr WQ Storm Rainfall=1.25"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00	39.00	1.25	0.00	0.00
36.45	1.25	0.00	0.00	39.05	1.25	0.00	0.00
36.50	1.25	0.00	0.00	39.10	1.25	0.00	0.00
36.55	1.25	0.00	0.00	39.15	1.25	0.00	0.00
36.60	1.25	0.00	0.00	39.20	1.25	0.00	0.00
36.65	1.25	0.00	0.00	39.25	1.25	0.00	0.00
36.70	1.25	0.00	0.00	39.30	1.25	0.00	0.00
36.75	1.25	0.00	0.00	39.35	1.25	0.00	0.00
36.80	1.25	0.00	0.00	39.40	1.25	0.00	0.00
36.85	1.25	0.00	0.00	39.45	1.25	0.00	0.00
36.90	1.25	0.00	0.00	39.50	1.25	0.00	0.00
36.95	1.25	0.00	0.00	39.55	1.25	0.00	0.00
37.00	1.25	0.00	0.00	39.60	1.25	0.00	0.00
37.05	1.25	0.00	0.00	39.65	1.25	0.00	0.00
37.10	1.25	0.00	0.00	39.70	1.25	0.00	0.00
37.15	1.25	0.00	0.00	39.75	1.25	0.00	0.00
37.20	1.25	0.00	0.00	39.80	1.25	0.00	0.00
37.25	1.25	0.00	0.00	39.85	1.25	0.00	0.00
37.30	1.25	0.00	0.00	39.90	1.25	0.00	0.00
37.35	1.25	0.00	0.00	39.95	1.25	0.00	0.00
37.40	1.25	0.00	0.00	40.00	1.25	0.00	0.00
37.45	1.25	0.00	0.00				
37.50	1.25	0.00	0.00				
37.55	1.25	0.00	0.00				
37.60	1.25	0.00	0.00				
37.65	1.25	0.00	0.00				
37.70	1.25	0.00	0.00				
37.75	1.25	0.00	0.00				
37.80	1.25	0.00	0.00				
37.85	1.25	0.00	0.00				
37.90	1.25	0.00	0.00				
37.95	1.25	0.00	0.00				
38.00	1.25	0.00	0.00				
38.05	1.25	0.00	0.00				
38.10	1.25	0.00	0.00				
38.15	1.25	0.00	0.00				
38.20	1.25	0.00	0.00				
38.25	1.25	0.00	0.00				
38.30	1.25	0.00	0.00				
38.35	1.25	0.00	0.00				
38.40	1.25	0.00	0.00				
38.45	1.25	0.00	0.00				
38.50	1.25	0.00	0.00				
38.55	1.25	0.00	0.00				
38.60	1.25	0.00	0.00				
38.65	1.25	0.00	0.00				
38.70	1.25	0.00	0.00				
38.75	1.25	0.00	0.00				
38.80	1.25	0.00	0.00				
38.85	1.25	0.00	0.00				
38.90	1.25	0.00	0.00				
38.95	1.25	0.00	0.00				

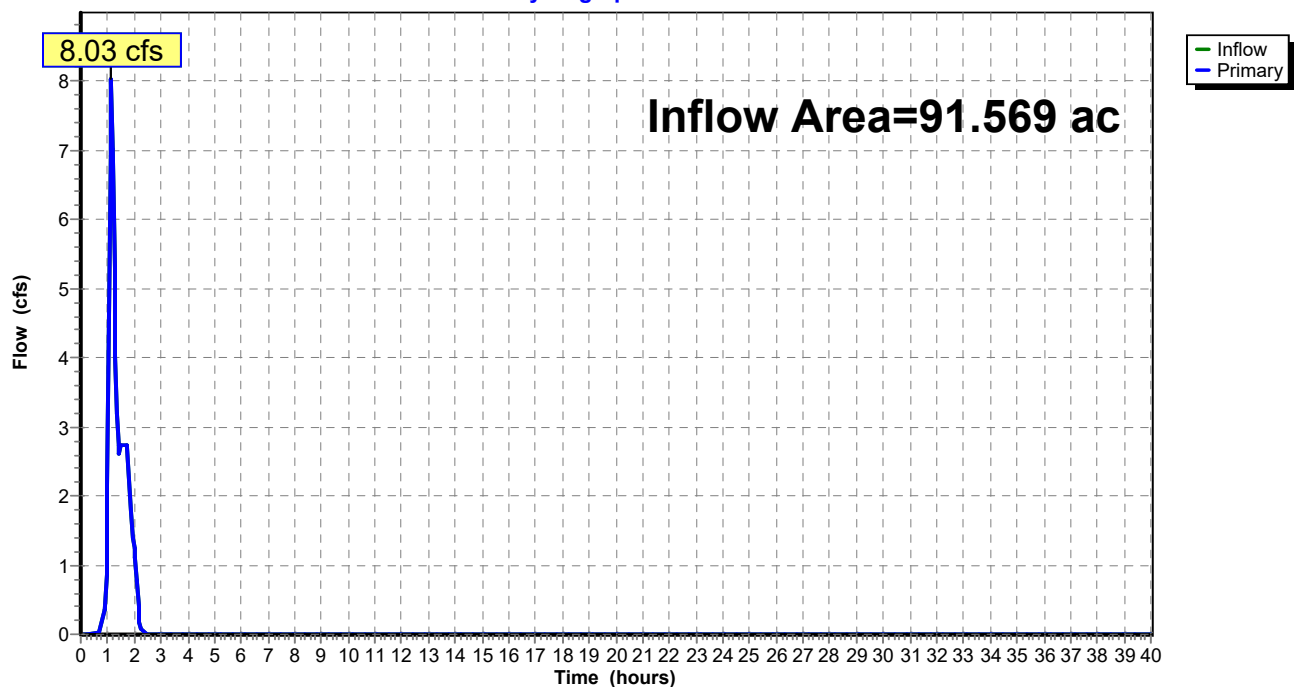
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 0.04" for WQ Storm event
 Inflow = 8.03 cfs @ 1.15 hrs, Volume= 0.317 af
 Primary = 8.03 cfs @ 1.15 hrs, Volume= 0.317 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.03	0.00	0.03	3.40	0.00	0.00	0.00
0.85	0.13	0.00	0.13	3.45	0.00	0.00	0.00
0.90	0.36	0.00	0.36	3.50	0.00	0.00	0.00
0.95	0.86	0.00	0.86	3.55	0.00	0.00	0.00
1.00	2.16	0.00	2.16	3.60	0.00	0.00	0.00
1.05	4.52	0.00	4.52	3.65	0.00	0.00	0.00
1.10	6.91	0.00	6.91	3.70	0.00	0.00	0.00
1.15	8.03	0.00	8.03	3.75	0.00	0.00	0.00
1.20	7.02	0.00	7.02	3.80	0.00	0.00	0.00
1.25	5.30	0.00	5.30	3.85	0.00	0.00	0.00
1.30	4.03	0.00	4.03	3.90	0.00	0.00	0.00
1.35	3.20	0.00	3.20	3.95	0.00	0.00	0.00
1.40	2.73	0.00	2.73	4.00	0.00	0.00	0.00
1.45	2.60	0.00	2.60	4.05	0.00	0.00	0.00
1.50	2.68	0.00	2.68	4.10	0.00	0.00	0.00
1.55	2.82	0.00	2.82	4.15	0.00	0.00	0.00
1.60	2.82	0.00	2.82	4.20	0.00	0.00	0.00
1.65	2.75	0.00	2.75	4.25	0.00	0.00	0.00
1.70	2.76	0.00	2.76	4.30	0.00	0.00	0.00
1.75	2.85	0.00	2.85	4.35	0.00	0.00	0.00
1.80	2.85	0.00	2.85	4.40	0.00	0.00	0.00
1.85	2.41	0.00	2.41	4.45	0.00	0.00	0.00
1.90	1.77	0.00	1.77	4.50	0.00	0.00	0.00
1.95	1.39	0.00	1.39	4.55	0.00	0.00	0.00
2.00	1.23	0.00	1.23	4.60	0.00	0.00	0.00
2.05	1.12	0.00	1.12	4.65	0.00	0.00	0.00
2.10	0.79	0.00	0.79	4.70	0.00	0.00	0.00
2.15	0.40	0.00	0.40	4.75	0.00	0.00	0.00
2.20	0.17	0.00	0.17	4.80	0.00	0.00	0.00
2.25	0.07	0.00	0.07	4.85	0.00	0.00	0.00
2.30	0.03	0.00	0.03	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.01	0.00	0.01	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

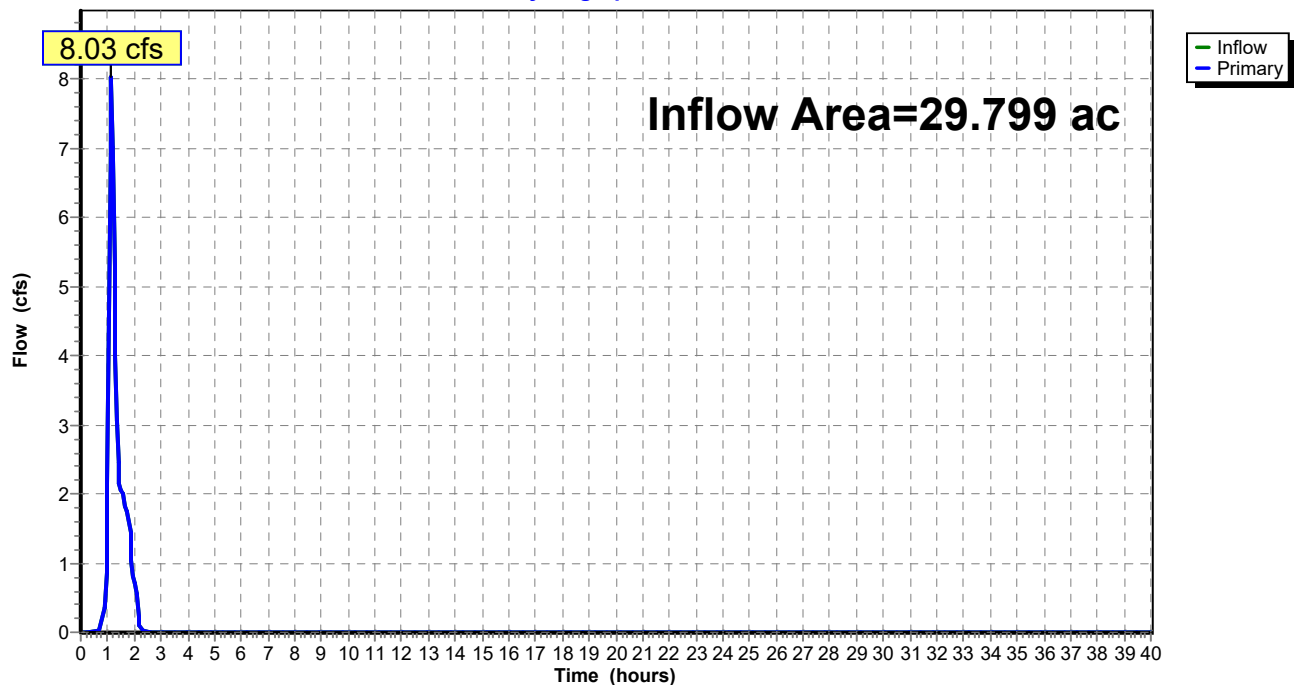
Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 0.11" for WQ Storm event
 Inflow = 8.03 cfs @ 1.15 hrs, Volume= 0.271 af
 Primary = 8.03 cfs @ 1.15 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
 Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10

Hydrograph



Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.03	0.00	0.03	3.40	0.00	0.00	0.00
0.85	0.13	0.00	0.13	3.45	0.00	0.00	0.00
0.90	0.36	0.00	0.36	3.50	0.00	0.00	0.00
0.95	0.86	0.00	0.86	3.55	0.00	0.00	0.00
1.00	2.16	0.00	2.16	3.60	0.00	0.00	0.00
1.05	4.52	0.00	4.52	3.65	0.00	0.00	0.00
1.10	6.91	0.00	6.91	3.70	0.00	0.00	0.00
1.15	8.03	0.00	8.03	3.75	0.00	0.00	0.00
1.20	7.02	0.00	7.02	3.80	0.00	0.00	0.00
1.25	5.30	0.00	5.30	3.85	0.00	0.00	0.00
1.30	4.00	0.00	4.00	3.90	0.00	0.00	0.00
1.35	3.08	0.00	3.08	3.95	0.00	0.00	0.00
1.40	2.45	0.00	2.45	4.00	0.00	0.00	0.00
1.45	2.15	0.00	2.15	4.05	0.00	0.00	0.00
1.50	2.06	0.00	2.06	4.10	0.00	0.00	0.00
1.55	2.04	0.00	2.04	4.15	0.00	0.00	0.00
1.60	1.94	0.00	1.94	4.20	0.00	0.00	0.00
1.65	1.82	0.00	1.82	4.25	0.00	0.00	0.00
1.70	1.77	0.00	1.77	4.30	0.00	0.00	0.00
1.75	1.77	0.00	1.77	4.35	0.00	0.00	0.00
1.80	1.73	0.00	1.73	4.40	0.00	0.00	0.00
1.85	1.44	0.00	1.44	4.45	0.00	0.00	0.00
1.90	1.05	0.00	1.05	4.50	0.00	0.00	0.00
1.95	0.81	0.00	0.81	4.55	0.00	0.00	0.00
2.00	0.71	0.00	0.71	4.60	0.00	0.00	0.00
2.05	0.64	0.00	0.64	4.65	0.00	0.00	0.00
2.10	0.45	0.00	0.45	4.70	0.00	0.00	0.00
2.15	0.23	0.00	0.23	4.75	0.00	0.00	0.00
2.20	0.10	0.00	0.10	4.80	0.00	0.00	0.00
2.25	0.04	0.00	0.04	4.85	0.00	0.00	0.00
2.30	0.02	0.00	0.02	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

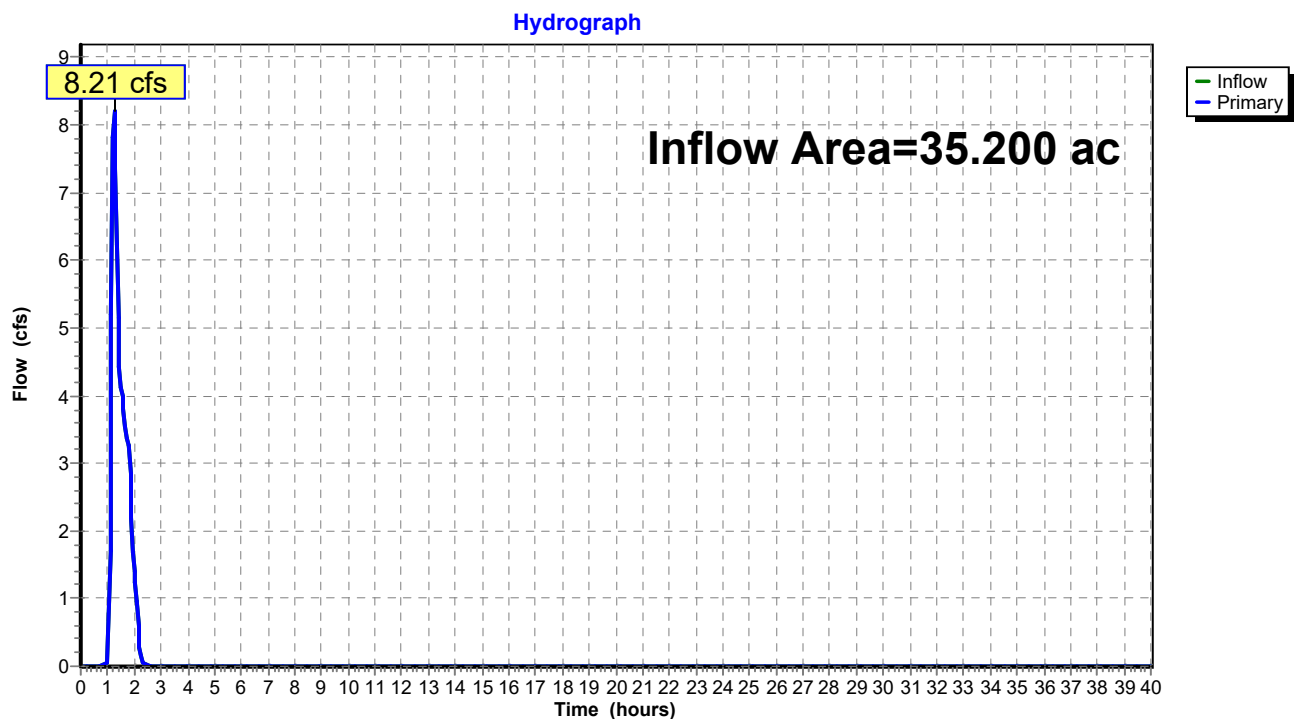
Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 0.12" for WQ Storm event
Inflow = 8.21 cfs @ 1.24 hrs, Volume= 0.343 af
Primary = 8.21 cfs @ 1.24 hrs, Volume= 0.343 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.18	0.00	0.18	3.65	0.00	0.00	0.00
1.10	1.71	0.00	1.71	3.70	0.00	0.00	0.00
1.15	5.21	0.00	5.21	3.75	0.00	0.00	0.00
1.20	7.83	0.00	7.83	3.80	0.00	0.00	0.00
1.25	8.19	0.00	8.19	3.85	0.00	0.00	0.00
1.30	7.35	0.00	7.35	3.90	0.00	0.00	0.00
1.35	6.23	0.00	6.23	3.95	0.00	0.00	0.00
1.40	5.15	0.00	5.15	4.00	0.00	0.00	0.00
1.45	4.44	0.00	4.44	4.05	0.00	0.00	0.00
1.50	4.12	0.00	4.12	4.10	0.00	0.00	0.00
1.55	3.98	0.00	3.98	4.15	0.00	0.00	0.00
1.60	3.80	0.00	3.80	4.20	0.00	0.00	0.00
1.65	3.54	0.00	3.54	4.25	0.00	0.00	0.00
1.70	3.36	0.00	3.36	4.30	0.00	0.00	0.00
1.75	3.29	0.00	3.29	4.35	0.00	0.00	0.00
1.80	3.22	0.00	3.22	4.40	0.00	0.00	0.00
1.85	2.85	0.00	2.85	4.45	0.00	0.00	0.00
1.90	2.19	0.00	2.19	4.50	0.00	0.00	0.00
1.95	1.67	0.00	1.67	4.55	0.00	0.00	0.00
2.00	1.40	0.00	1.40	4.60	0.00	0.00	0.00
2.05	1.23	0.00	1.23	4.65	0.00	0.00	0.00
2.10	0.96	0.00	0.96	4.70	0.00	0.00	0.00
2.15	0.59	0.00	0.59	4.75	0.00	0.00	0.00
2.20	0.29	0.00	0.29	4.80	0.00	0.00	0.00
2.25	0.14	0.00	0.14	4.85	0.00	0.00	0.00
2.30	0.07	0.00	0.07	4.90	0.00	0.00	0.00
2.35	0.03	0.00	0.03	4.95	0.00	0.00	0.00
2.40	0.02	0.00	0.02	5.00	0.00	0.00	0.00
2.45	0.01	0.00	0.01	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

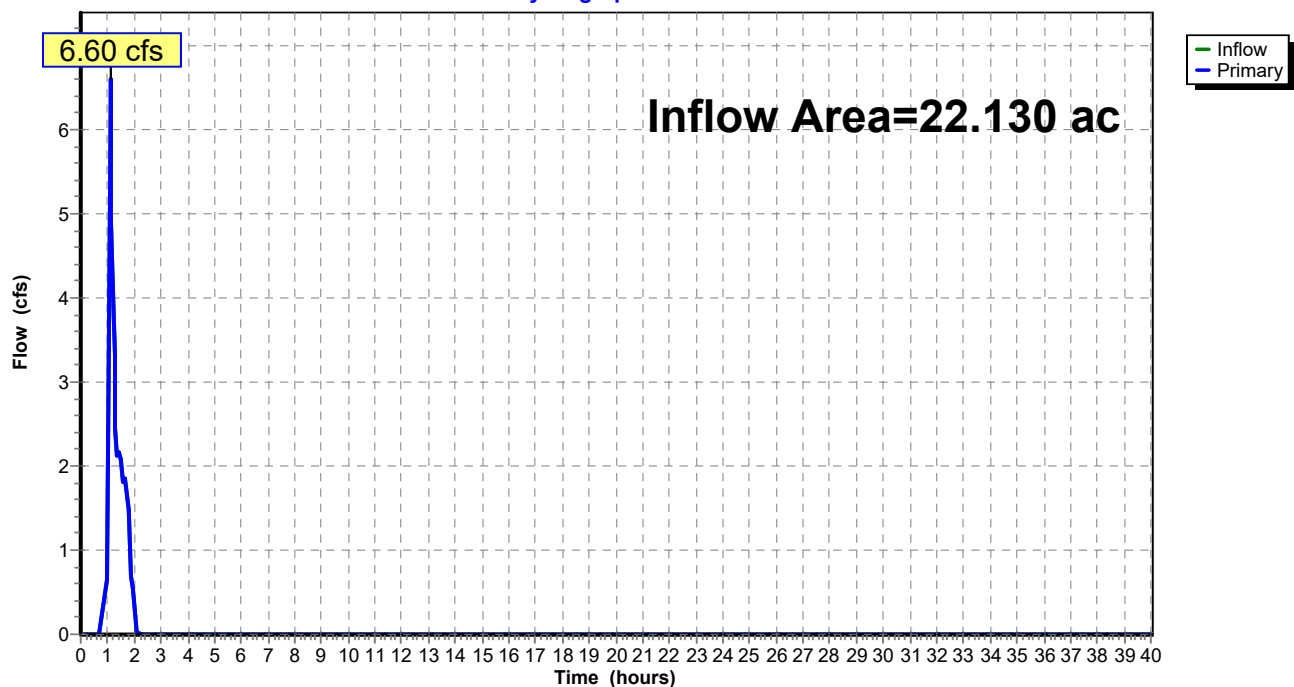
Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 0.10" for WQ Storm event
Inflow = 6.60 cfs @ 1.11 hrs, Volume= 0.187 af
Primary = 6.60 cfs @ 1.11 hrs, Volume= 0.187 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.01	0.00	0.01	3.60	0.00	0.00	0.00
1.05	1.94	0.00	1.94	3.65	0.00	0.00	0.00
1.10	6.41	0.00	6.41	3.70	0.00	0.00	0.00
1.15	4.95	0.00	4.95	3.75	0.00	0.00	0.00
1.20	4.17	0.00	4.17	3.80	0.00	0.00	0.00
1.25	3.30	0.00	3.30	3.85	0.00	0.00	0.00
1.30	2.45	0.00	2.45	3.90	0.00	0.00	0.00
1.35	2.12	0.00	2.12	3.95	0.00	0.00	0.00
1.40	2.12	0.00	2.12	4.00	0.00	0.00	0.00
1.45	2.19	0.00	2.19	4.05	0.00	0.00	0.00
1.50	2.24	0.00	2.24	4.10	0.00	0.00	0.00
1.55	1.93	0.00	1.93	4.15	0.00	0.00	0.00
1.60	1.81	0.00	1.81	4.20	0.00	0.00	0.00
1.65	1.84	0.00	1.84	4.25	0.00	0.00	0.00
1.70	1.88	0.00	1.88	4.30	0.00	0.00	0.00
1.75	1.89	0.00	1.89	4.35	0.00	0.00	0.00
1.80	1.05	0.00	1.05	4.40	0.00	0.00	0.00
1.85	0.68	0.00	0.68	4.45	0.00	0.00	0.00
1.90	0.66	0.00	0.66	4.50	0.00	0.00	0.00
1.95	0.66	0.00	0.66	4.55	0.00	0.00	0.00
2.00	0.65	0.00	0.65	4.60	0.00	0.00	0.00
2.05	0.21	0.00	0.21	4.65	0.00	0.00	0.00
2.10	0.01	0.00	0.01	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

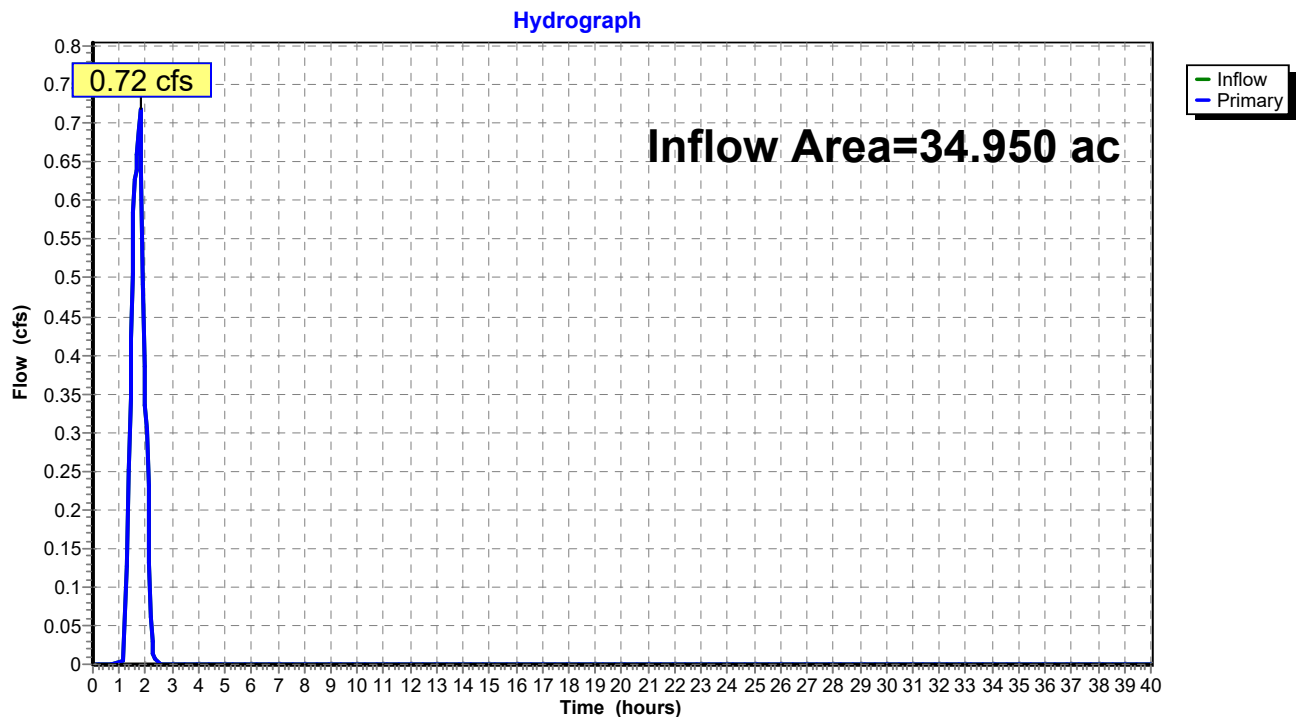
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 0.01" for WQ Storm event
 Inflow = 0.72 cfs @ 1.79 hrs, Volume= 0.034 af
 Primary = 0.72 cfs @ 1.79 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.03	0.00	0.03	3.85	0.00	0.00	0.00
1.30	0.13	0.00	0.13	3.90	0.00	0.00	0.00
1.35	0.25	0.00	0.25	3.95	0.00	0.00	0.00
1.40	0.34	0.00	0.34	4.00	0.00	0.00	0.00
1.45	0.42	0.00	0.42	4.05	0.00	0.00	0.00
1.50	0.51	0.00	0.51	4.10	0.00	0.00	0.00
1.55	0.58	0.00	0.58	4.15	0.00	0.00	0.00
1.60	0.63	0.00	0.63	4.20	0.00	0.00	0.00
1.65	0.64	0.00	0.64	4.25	0.00	0.00	0.00
1.70	0.66	0.00	0.66	4.30	0.00	0.00	0.00
1.75	0.69	0.00	0.69	4.35	0.00	0.00	0.00
1.80	0.71	0.00	0.71	4.40	0.00	0.00	0.00
1.85	0.64	0.00	0.64	4.45	0.00	0.00	0.00
1.90	0.49	0.00	0.49	4.50	0.00	0.00	0.00
1.95	0.38	0.00	0.38	4.55	0.00	0.00	0.00
2.00	0.33	0.00	0.33	4.60	0.00	0.00	0.00
2.05	0.30	0.00	0.30	4.65	0.00	0.00	0.00
2.10	0.23	0.00	0.23	4.70	0.00	0.00	0.00
2.15	0.13	0.00	0.13	4.75	0.00	0.00	0.00
2.20	0.06	0.00	0.06	4.80	0.00	0.00	0.00
2.25	0.03	0.00	0.03	4.85	0.00	0.00	0.00
2.30	0.01	0.00	0.01	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

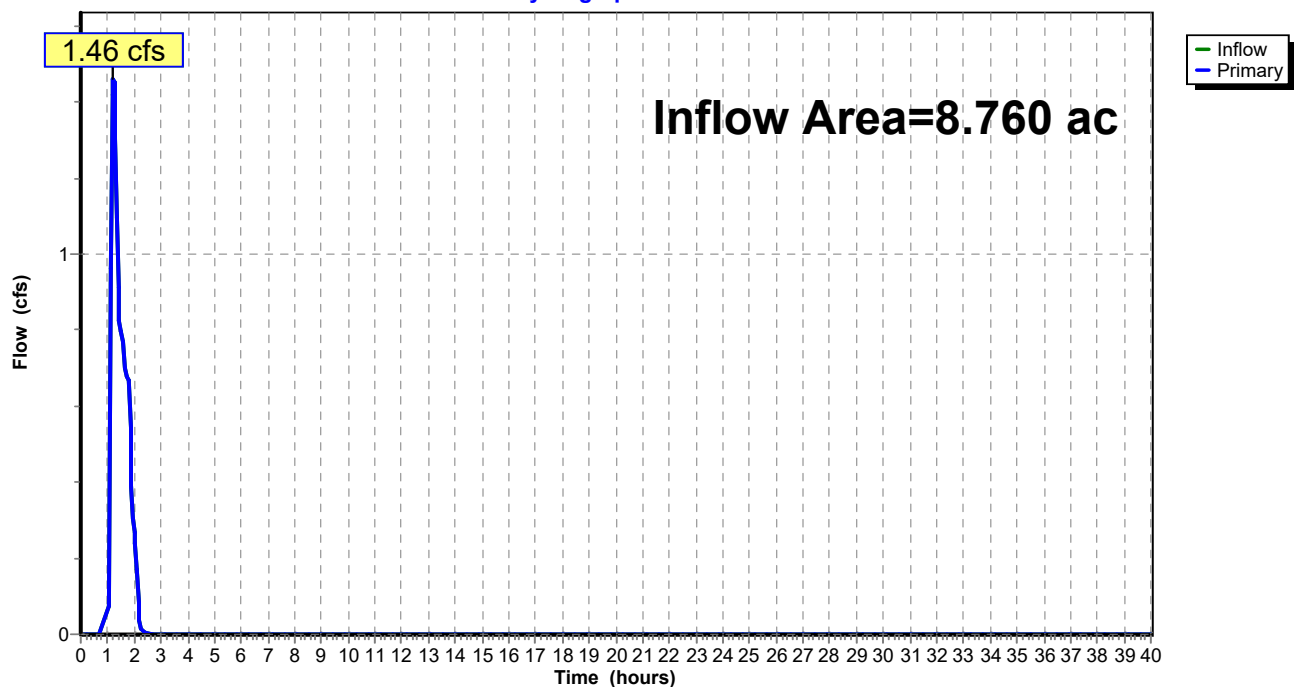
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 0.09" for WQ Storm event
 Inflow = 1.46 cfs @ 1.23 hrs, Volume= 0.063 af
 Primary = 1.46 cfs @ 1.23 hrs, Volume= 0.063 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.01	0.00	0.01	3.65	0.00	0.00	0.00
1.10	0.27	0.00	0.27	3.70	0.00	0.00	0.00
1.15	0.96	0.00	0.96	3.75	0.00	0.00	0.00
1.20	1.42	0.00	1.42	3.80	0.00	0.00	0.00
1.25	1.45	0.00	1.45	3.85	0.00	0.00	0.00
1.30	1.30	0.00	1.30	3.90	0.00	0.00	0.00
1.35	1.09	0.00	1.09	3.95	0.00	0.00	0.00
1.40	0.91	0.00	0.91	4.00	0.00	0.00	0.00
1.45	0.82	0.00	0.82	4.05	0.00	0.00	0.00
1.50	0.80	0.00	0.80	4.10	0.00	0.00	0.00
1.55	0.79	0.00	0.79	4.15	0.00	0.00	0.00
1.60	0.75	0.00	0.75	4.20	0.00	0.00	0.00
1.65	0.70	0.00	0.70	4.25	0.00	0.00	0.00
1.70	0.68	0.00	0.68	4.30	0.00	0.00	0.00
1.75	0.68	0.00	0.68	4.35	0.00	0.00	0.00
1.80	0.66	0.00	0.66	4.40	0.00	0.00	0.00
1.85	0.54	0.00	0.54	4.45	0.00	0.00	0.00
1.90	0.39	0.00	0.39	4.50	0.00	0.00	0.00
1.95	0.30	0.00	0.30	4.55	0.00	0.00	0.00
2.00	0.27	0.00	0.27	4.60	0.00	0.00	0.00
2.05	0.24	0.00	0.24	4.65	0.00	0.00	0.00
2.10	0.17	0.00	0.17	4.70	0.00	0.00	0.00
2.15	0.08	0.00	0.08	4.75	0.00	0.00	0.00
2.20	0.04	0.00	0.04	4.80	0.00	0.00	0.00
2.25	0.02	0.00	0.02	4.85	0.00	0.00	0.00
2.30	0.01	0.00	0.01	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

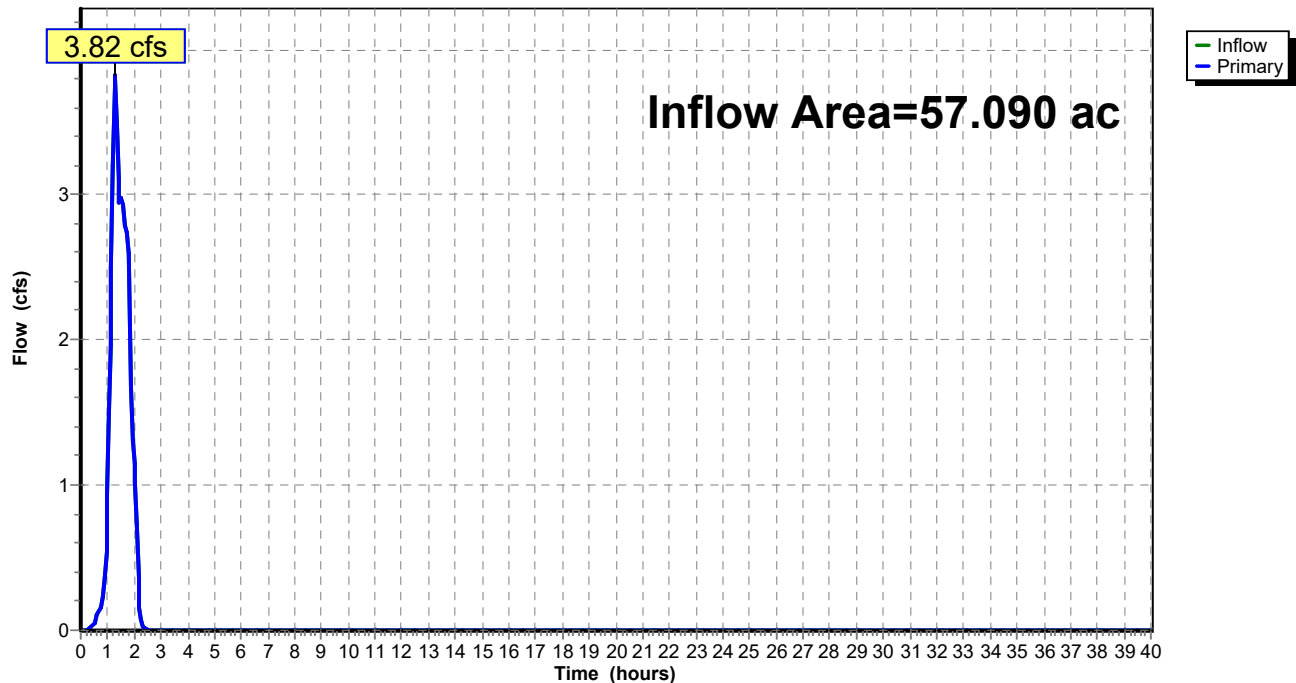
Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 0.05" for WQ Storm event
 Inflow = 3.82 cfs @ 1.28 hrs, Volume= 0.239 af
 Primary = 3.82 cfs @ 1.28 hrs, Volume= 0.239 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.02	0.00	0.02	3.05	0.00	0.00	0.00
0.50	0.04	0.00	0.04	3.10	0.00	0.00	0.00
0.55	0.06	0.00	0.06	3.15	0.00	0.00	0.00
0.60	0.09	0.00	0.09	3.20	0.00	0.00	0.00
0.65	0.12	0.00	0.12	3.25	0.00	0.00	0.00
0.70	0.15	0.00	0.15	3.30	0.00	0.00	0.00
0.75	0.17	0.00	0.17	3.35	0.00	0.00	0.00
0.80	0.19	0.00	0.19	3.40	0.00	0.00	0.00
0.85	0.25	0.00	0.25	3.45	0.00	0.00	0.00
0.90	0.36	0.00	0.36	3.50	0.00	0.00	0.00
0.95	0.54	0.00	0.54	3.55	0.00	0.00	0.00
1.00	0.92	0.00	0.92	3.60	0.00	0.00	0.00
1.05	1.50	0.00	1.50	3.65	0.00	0.00	0.00
1.10	1.97	0.00	1.97	3.70	0.00	0.00	0.00
1.15	2.49	0.00	2.49	3.75	0.00	0.00	0.00
1.20	3.20	0.00	3.20	3.80	0.00	0.00	0.00
1.25	3.74	0.00	3.74	3.85	0.00	0.00	0.00
1.30	3.81	0.00	3.81	3.90	0.00	0.00	0.00
1.35	3.49	0.00	3.49	3.95	0.00	0.00	0.00
1.40	3.11	0.00	3.11	4.00	0.00	0.00	0.00
1.45	2.94	0.00	2.94	4.05	0.00	0.00	0.00
1.50	2.95	0.00	2.95	4.10	0.00	0.00	0.00
1.55	3.02	0.00	3.02	4.15	0.00	0.00	0.00
1.60	2.94	0.00	2.94	4.20	0.00	0.00	0.00
1.65	2.79	0.00	2.79	4.25	0.00	0.00	0.00
1.70	2.74	0.00	2.74	4.30	0.00	0.00	0.00
1.75	2.77	0.00	2.77	4.35	0.00	0.00	0.00
1.80	2.74	0.00	2.74	4.40	0.00	0.00	0.00
1.85	2.29	0.00	2.29	4.45	0.00	0.00	0.00
1.90	1.67	0.00	1.67	4.50	0.00	0.00	0.00
1.95	1.30	0.00	1.30	4.55	0.00	0.00	0.00
2.00	1.14	0.00	1.14	4.60	0.00	0.00	0.00
2.05	1.03	0.00	1.03	4.65	0.00	0.00	0.00
2.10	0.73	0.00	0.73	4.70	0.00	0.00	0.00
2.15	0.37	0.00	0.37	4.75	0.00	0.00	0.00
2.20	0.16	0.00	0.16	4.80	0.00	0.00	0.00
2.25	0.07	0.00	0.07	4.85	0.00	0.00	0.00
2.30	0.03	0.00	0.03	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

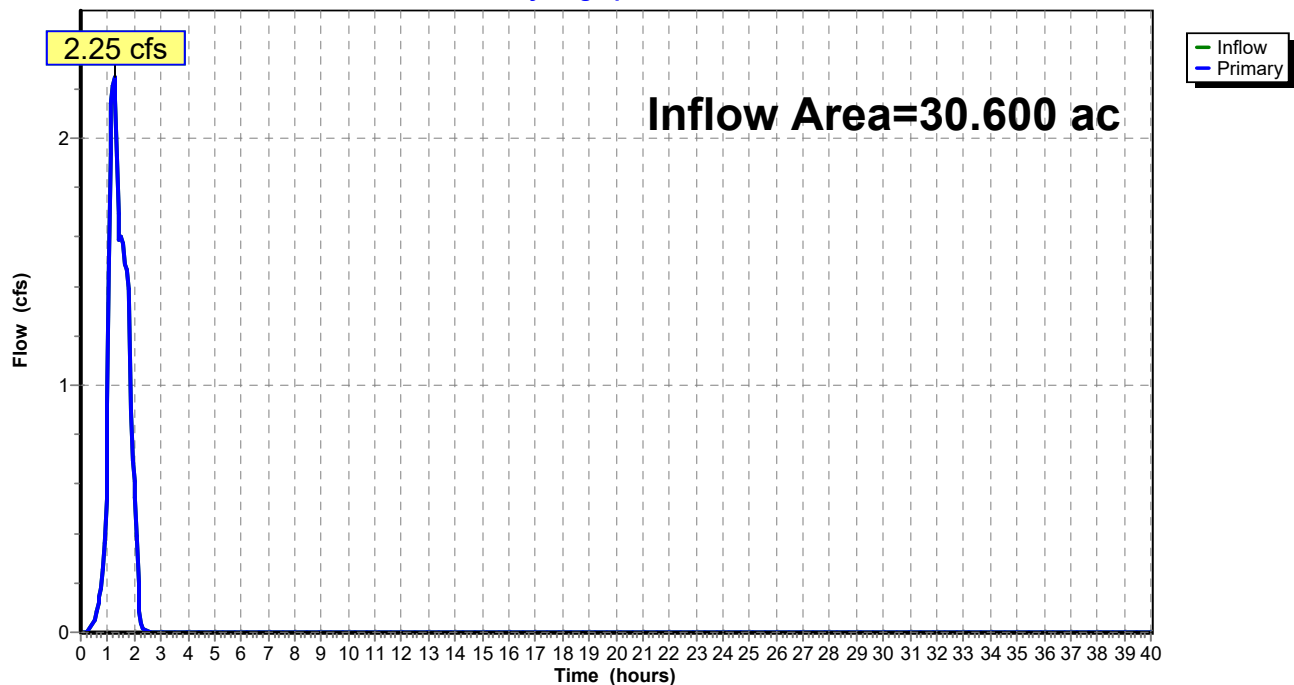
Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.06" for WQ Storm event
 Inflow = 2.25 cfs @ 1.24 hrs, Volume= 0.148 af
 Primary = 2.25 cfs @ 1.24 hrs, Volume= 0.148 af, Atten= 0%, Lag= 0.0 min
 Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60

Hydrograph



Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.02	0.00	0.02	3.05	0.00	0.00	0.00
0.50	0.04	0.00	0.04	3.10	0.00	0.00	0.00
0.55	0.06	0.00	0.06	3.15	0.00	0.00	0.00
0.60	0.09	0.00	0.09	3.20	0.00	0.00	0.00
0.65	0.12	0.00	0.12	3.25	0.00	0.00	0.00
0.70	0.15	0.00	0.15	3.30	0.00	0.00	0.00
0.75	0.17	0.00	0.17	3.35	0.00	0.00	0.00
0.80	0.19	0.00	0.19	3.40	0.00	0.00	0.00
0.85	0.25	0.00	0.25	3.45	0.00	0.00	0.00
0.90	0.36	0.00	0.36	3.50	0.00	0.00	0.00
0.95	0.54	0.00	0.54	3.55	0.00	0.00	0.00
1.00	0.92	0.00	0.92	3.60	0.00	0.00	0.00
1.05	1.50	0.00	1.50	3.65	0.00	0.00	0.00
1.10	1.94	0.00	1.94	3.70	0.00	0.00	0.00
1.15	2.14	0.00	2.14	3.75	0.00	0.00	0.00
1.20	2.21	0.00	2.21	3.80	0.00	0.00	0.00
1.25	2.25	0.00	2.25	3.85	0.00	0.00	0.00
1.30	2.16	0.00	2.16	3.90	0.00	0.00	0.00
1.35	1.93	0.00	1.93	3.95	0.00	0.00	0.00
1.40	1.69	0.00	1.69	4.00	0.00	0.00	0.00
1.45	1.59	0.00	1.59	4.05	0.00	0.00	0.00
1.50	1.59	0.00	1.59	4.10	0.00	0.00	0.00
1.55	1.62	0.00	1.62	4.15	0.00	0.00	0.00
1.60	1.57	0.00	1.57	4.20	0.00	0.00	0.00
1.65	1.49	0.00	1.49	4.25	0.00	0.00	0.00
1.70	1.47	0.00	1.47	4.30	0.00	0.00	0.00
1.75	1.48	0.00	1.48	4.35	0.00	0.00	0.00
1.80	1.46	0.00	1.46	4.40	0.00	0.00	0.00
1.85	1.22	0.00	1.22	4.45	0.00	0.00	0.00
1.90	0.89	0.00	0.89	4.50	0.00	0.00	0.00
1.95	0.69	0.00	0.69	4.55	0.00	0.00	0.00
2.00	0.61	0.00	0.61	4.60	0.00	0.00	0.00
2.05	0.55	0.00	0.55	4.65	0.00	0.00	0.00
2.10	0.39	0.00	0.39	4.70	0.00	0.00	0.00
2.15	0.20	0.00	0.20	4.75	0.00	0.00	0.00
2.20	0.08	0.00	0.08	4.80	0.00	0.00	0.00
2.25	0.04	0.00	0.04	4.85	0.00	0.00	0.00
2.30	0.02	0.00	0.02	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

2025-07-14 Existing - Offsite Split- 081391*NJ DEP 2-hr WQ Storm Rainfall=1.25"*

Prepared by Bowman Consulting Group

Printed 8/17/2025

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Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 13.62 cfs @ 12.16 hrs, Volume= 1.019 af, Depth= 2.49"
Routed to Link XDA-10 : XDA-10

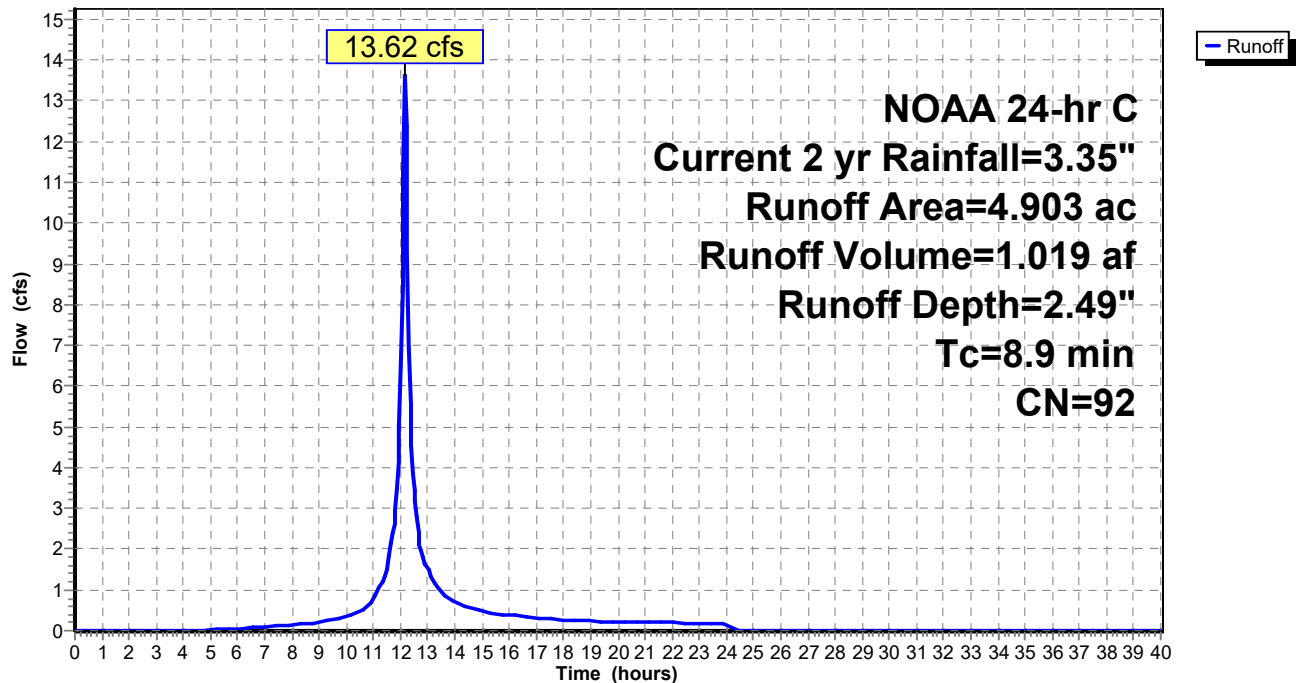
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.01
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.01
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.01
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.01
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.01
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.01
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.01
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.01
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.02
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.02
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.02
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.02
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.02

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.02	7.80	0.39	0.04	0.13
5.25	0.23	0.00	0.02	7.85	0.39	0.04	0.13
5.30	0.23	0.00	0.03	7.90	0.39	0.04	0.13
5.35	0.23	0.00	0.03	7.95	0.40	0.05	0.14
5.40	0.23	0.00	0.03	8.00	0.40	0.05	0.14
5.45	0.24	0.00	0.03	8.05	0.41	0.05	0.14
5.50	0.24	0.00	0.03	8.10	0.41	0.05	0.15
5.55	0.24	0.00	0.03	8.15	0.41	0.05	0.15
5.60	0.24	0.01	0.03	8.20	0.42	0.05	0.15
5.65	0.25	0.01	0.04	8.25	0.42	0.06	0.16
5.70	0.25	0.01	0.04	8.30	0.43	0.06	0.16
5.75	0.25	0.01	0.04	8.35	0.43	0.06	0.16
5.80	0.25	0.01	0.04	8.40	0.43	0.06	0.17
5.85	0.26	0.01	0.04	8.45	0.44	0.06	0.17
5.90	0.26	0.01	0.04	8.50	0.44	0.06	0.17
5.95	0.26	0.01	0.04	8.55	0.45	0.07	0.18
6.00	0.27	0.01	0.04	8.60	0.45	0.07	0.18
6.05	0.27	0.01	0.05	8.65	0.46	0.07	0.18
6.10	0.27	0.01	0.05	8.70	0.46	0.07	0.19
6.15	0.27	0.01	0.05	8.75	0.47	0.07	0.19
6.20	0.28	0.01	0.05	8.80	0.47	0.08	0.19
6.25	0.28	0.01	0.05	8.85	0.48	0.08	0.20
6.30	0.28	0.01	0.06	8.90	0.48	0.08	0.20
6.35	0.29	0.01	0.06	8.95	0.48	0.08	0.20
6.40	0.29	0.01	0.06	9.00	0.49	0.08	0.21
6.45	0.29	0.01	0.06	9.05	0.49	0.09	0.21
6.50	0.29	0.01	0.06	9.10	0.50	0.09	0.22
6.55	0.30	0.02	0.07	9.15	0.50	0.09	0.22
6.60	0.30	0.02	0.07	9.20	0.51	0.09	0.23
6.65	0.30	0.02	0.07	9.25	0.51	0.10	0.24
6.70	0.31	0.02	0.07	9.30	0.52	0.10	0.25
6.75	0.31	0.02	0.07	9.35	0.53	0.10	0.25
6.80	0.31	0.02	0.08	9.40	0.53	0.10	0.26
6.85	0.32	0.02	0.08	9.45	0.54	0.11	0.27
6.90	0.32	0.02	0.08	9.50	0.54	0.11	0.28
6.95	0.32	0.02	0.08	9.55	0.55	0.11	0.29
7.00	0.33	0.02	0.09	9.60	0.56	0.12	0.30
7.05	0.33	0.02	0.09	9.65	0.56	0.12	0.31
7.10	0.33	0.02	0.09	9.70	0.57	0.12	0.32
7.15	0.34	0.03	0.09	9.75	0.58	0.13	0.33
7.20	0.34	0.03	0.10	9.80	0.58	0.13	0.34
7.25	0.34	0.03	0.10	9.85	0.59	0.13	0.35
7.30	0.35	0.03	0.10	9.90	0.60	0.14	0.36
7.35	0.35	0.03	0.10	9.95	0.60	0.14	0.37
7.40	0.35	0.03	0.11	10.00	0.61	0.15	0.38
7.45	0.36	0.03	0.11	10.05	0.62	0.15	0.39
7.50	0.36	0.03	0.11	10.10	0.63	0.15	0.40
7.55	0.37	0.03	0.11	10.15	0.63	0.16	0.41
7.60	0.37	0.04	0.12	10.20	0.64	0.16	0.42
7.65	0.37	0.04	0.12	10.25	0.65	0.17	0.43
7.70	0.38	0.04	0.12	10.30	0.66	0.17	0.44
7.75	0.38	0.04	0.13	10.35	0.67	0.18	0.45

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.18	0.46	13.00	2.55	1.74	1.52
10.45	0.68	0.19	0.47	13.05	2.56	1.75	1.44
10.50	0.69	0.19	0.48	13.10	2.57	1.76	1.36
10.55	0.70	0.20	0.50	13.15	2.58	1.77	1.28
10.60	0.71	0.20	0.52	13.20	2.60	1.78	1.22
10.65	0.72	0.21	0.55	13.25	2.61	1.79	1.17
10.70	0.73	0.22	0.58	13.30	2.62	1.80	1.12
10.75	0.74	0.22	0.61	13.35	2.63	1.81	1.08
10.80	0.75	0.23	0.65	13.40	2.64	1.82	1.03
10.85	0.77	0.24	0.68	13.45	2.65	1.83	0.99
10.90	0.78	0.25	0.72	13.50	2.66	1.84	0.95
10.95	0.79	0.26	0.76	13.55	2.67	1.85	0.90
11.00	0.80	0.26	0.80	13.60	2.68	1.86	0.86
11.05	0.82	0.27	0.84	13.65	2.68	1.86	0.82
11.10	0.83	0.28	0.89	13.70	2.69	1.87	0.79
11.15	0.85	0.30	0.95	13.75	2.70	1.88	0.77
11.20	0.87	0.31	1.02	13.80	2.71	1.89	0.76
11.25	0.89	0.32	1.09	13.85	2.72	1.89	0.74
11.30	0.91	0.33	1.16	13.90	2.72	1.90	0.73
11.35	0.93	0.35	1.23	13.95	2.73	1.91	0.72
11.40	0.95	0.36	1.31	14.00	2.74	1.92	0.71
11.45	0.97	0.38	1.38	14.05	2.75	1.92	0.70
11.50	0.99	0.40	1.45	14.10	2.75	1.93	0.69
11.55	1.02	0.42	1.56	14.15	2.76	1.94	0.68
11.60	1.06	0.45	1.83	14.20	2.77	1.94	0.66
11.65	1.09	0.47	2.17	14.25	2.77	1.95	0.65
11.70	1.13	0.50	2.41	14.30	2.78	1.95	0.64
11.75	1.18	0.54	2.61	14.35	2.79	1.96	0.63
11.80	1.23	0.58	2.98	14.40	2.79	1.97	0.62
11.85	1.29	0.63	3.46	14.45	2.80	1.97	0.61
11.90	1.36	0.69	4.12	14.50	2.81	1.98	0.60
11.95	1.48	0.78	4.99	14.55	2.81	1.98	0.58
12.00	1.60	0.88	6.47	14.60	2.82	1.99	0.57
12.05	1.79	1.05	8.45	14.65	2.82	2.00	0.56
12.10	1.99	1.23	11.23	14.70	2.83	2.00	0.55
12.15	2.06	1.29	13.57	14.75	2.84	2.01	0.54
12.20	2.12	1.35	12.37	14.80	2.84	2.01	0.53
12.25	2.17	1.39	9.27	14.85	2.85	2.02	0.52
12.30	2.22	1.44	6.97	14.90	2.85	2.02	0.50
12.35	2.26	1.47	5.55	14.95	2.86	2.03	0.49
12.40	2.29	1.50	4.55	15.00	2.86	2.03	0.48
12.45	2.33	1.53	3.85	15.05	2.87	2.03	0.47
12.50	2.36	1.56	3.44	15.10	2.87	2.04	0.46
12.55	2.38	1.58	3.18	15.15	2.87	2.04	0.45
12.60	2.40	1.60	2.80	15.20	2.88	2.05	0.44
12.65	2.42	1.62	2.39	15.25	2.88	2.05	0.43
12.70	2.44	1.64	2.12	15.30	2.89	2.06	0.43
12.75	2.46	1.66	1.98	15.35	2.89	2.06	0.43
12.80	2.48	1.68	1.87	15.40	2.90	2.06	0.42
12.85	2.50	1.69	1.78	15.45	2.90	2.07	0.42
12.90	2.52	1.71	1.69	15.50	2.91	2.07	0.42
12.95	2.53	1.72	1.61	15.55	2.91	2.08	0.41

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.08	0.41	18.20	3.10	2.25	0.25
15.65	2.92	2.09	0.41	18.25	3.10	2.25	0.25
15.70	2.92	2.09	0.41	18.30	3.10	2.26	0.25
15.75	2.93	2.09	0.40	18.35	3.10	2.26	0.25
15.80	2.93	2.10	0.40	18.40	3.11	2.26	0.25
15.85	2.94	2.10	0.40	18.45	3.11	2.26	0.25
15.90	2.94	2.10	0.39	18.50	3.11	2.27	0.25
15.95	2.94	2.11	0.39	18.55	3.11	2.27	0.25
16.00	2.95	2.11	0.39	18.60	3.12	2.27	0.25
16.05	2.95	2.12	0.38	18.65	3.12	2.27	0.25
16.10	2.96	2.12	0.38	18.70	3.12	2.28	0.24
16.15	2.96	2.12	0.38	18.75	3.12	2.28	0.24
16.20	2.96	2.13	0.38	18.80	3.13	2.28	0.24
16.25	2.97	2.13	0.37	18.85	3.13	2.28	0.24
16.30	2.97	2.14	0.37	18.90	3.13	2.29	0.24
16.35	2.98	2.14	0.37	18.95	3.13	2.29	0.24
16.40	2.98	2.14	0.36	19.00	3.14	2.29	0.24
16.45	2.98	2.15	0.36	19.05	3.14	2.29	0.24
16.50	2.99	2.15	0.36	19.10	3.14	2.30	0.24
16.55	2.99	2.15	0.35	19.15	3.14	2.30	0.24
16.60	3.00	2.16	0.35	19.20	3.15	2.30	0.24
16.65	3.00	2.16	0.35	19.25	3.15	2.30	0.24
16.70	3.00	2.16	0.34	19.30	3.15	2.31	0.24
16.75	3.01	2.17	0.34	19.35	3.15	2.31	0.23
16.80	3.01	2.17	0.34	19.40	3.16	2.31	0.23
16.85	3.01	2.17	0.33	19.45	3.16	2.31	0.23
16.90	3.02	2.18	0.33	19.50	3.16	2.31	0.23
16.95	3.02	2.18	0.33	19.55	3.16	2.32	0.23
17.00	3.02	2.18	0.33	19.60	3.17	2.32	0.23
17.05	3.03	2.19	0.32	19.65	3.17	2.32	0.23
17.10	3.03	2.19	0.32	19.70	3.17	2.32	0.23
17.15	3.03	2.19	0.32	19.75	3.17	2.33	0.23
17.20	3.04	2.20	0.31	19.80	3.18	2.33	0.23
17.25	3.04	2.20	0.31	19.85	3.18	2.33	0.23
17.30	3.04	2.20	0.31	19.90	3.18	2.33	0.23
17.35	3.05	2.20	0.30	19.95	3.18	2.34	0.23
17.40	3.05	2.21	0.30	20.00	3.19	2.34	0.22
17.45	3.05	2.21	0.30	20.05	3.19	2.34	0.22
17.50	3.06	2.21	0.30	20.10	3.19	2.34	0.22
17.55	3.06	2.22	0.29	20.15	3.19	2.34	0.22
17.60	3.06	2.22	0.29	20.20	3.20	2.35	0.22
17.65	3.06	2.22	0.29	20.25	3.20	2.35	0.22
17.70	3.07	2.22	0.28	20.30	3.20	2.35	0.22
17.75	3.07	2.23	0.28	20.35	3.20	2.35	0.22
17.80	3.07	2.23	0.28	20.40	3.20	2.36	0.22
17.85	3.08	2.23	0.27	20.45	3.21	2.36	0.22
17.90	3.08	2.24	0.27	20.50	3.21	2.36	0.22
17.95	3.08	2.24	0.27	20.55	3.21	2.36	0.22
18.00	3.08	2.24	0.26	20.60	3.21	2.36	0.22
18.05	3.09	2.24	0.26	20.65	3.22	2.37	0.22
18.10	3.09	2.25	0.26	20.70	3.22	2.37	0.21
18.15	3.09	2.25	0.26	20.75	3.22	2.37	0.21

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.37	0.21	23.40	3.33	2.47	0.17
20.85	3.23	2.37	0.21	23.45	3.33	2.47	0.17
20.90	3.23	2.38	0.21	23.50	3.33	2.48	0.17
20.95	3.23	2.38	0.21	23.55	3.33	2.48	0.17
21.00	3.23	2.38	0.21	23.60	3.34	2.48	0.17
21.05	3.23	2.38	0.21	23.65	3.34	2.48	0.17
21.10	3.24	2.39	0.21	23.70	3.34	2.48	0.17
21.15	3.24	2.39	0.21	23.75	3.34	2.48	0.17
21.20	3.24	2.39	0.21	23.80	3.34	2.49	0.17
21.25	3.24	2.39	0.21	23.85	3.34	2.49	0.17
21.30	3.24	2.39	0.21	23.90	3.35	2.49	0.16
21.35	3.25	2.40	0.20	23.95	3.35	2.49	0.17
21.40	3.25	2.40	0.20	24.00	3.35	2.49	0.18
21.45	3.25	2.40	0.20	24.05	3.35	2.49	0.18
21.50	3.25	2.40	0.20	24.10	3.35	2.49	0.13
21.55	3.26	2.40	0.20	24.15	3.35	2.49	0.07
21.60	3.26	2.41	0.20	24.20	3.35	2.49	0.03
21.65	3.26	2.41	0.20	24.25	3.35	2.49	0.01
21.70	3.26	2.41	0.20	24.30	3.35	2.49	0.01
21.75	3.26	2.41	0.20	24.35	3.35	2.49	0.00
21.80	3.27	2.41	0.20	24.40	3.35	2.49	0.00
21.85	3.27	2.42	0.20	24.45	3.35	2.49	0.00
21.90	3.27	2.42	0.20	24.50	3.35	2.49	0.00
21.95	3.27	2.42	0.19	24.55	3.35	2.49	0.00
22.00	3.27	2.42	0.19	24.60	3.35	2.49	0.00
22.05	3.28	2.42	0.19	24.65	3.35	2.49	0.00
22.10	3.28	2.43	0.19	24.70	3.35	2.49	0.00
22.15	3.28	2.43	0.19	24.75	3.35	2.49	0.00
22.20	3.28	2.43	0.19	24.80	3.35	2.49	0.00
22.25	3.28	2.43	0.19	24.85	3.35	2.49	0.00
22.30	3.29	2.43	0.19	24.90	3.35	2.49	0.00
22.35	3.29	2.43	0.19	24.95	3.35	2.49	0.00
22.40	3.29	2.44	0.19	25.00	3.35	2.49	0.00
22.45	3.29	2.44	0.19	25.05	3.35	2.49	0.00
22.50	3.29	2.44	0.19	25.10	3.35	2.49	0.00
22.55	3.30	2.44	0.19	25.15	3.35	2.49	0.00
22.60	3.30	2.44	0.18	25.20	3.35	2.49	0.00
22.65	3.30	2.45	0.18	25.25	3.35	2.49	0.00
22.70	3.30	2.45	0.18	25.30	3.35	2.49	0.00
22.75	3.30	2.45	0.18	25.35	3.35	2.49	0.00
22.80	3.31	2.45	0.18	25.40	3.35	2.49	0.00
22.85	3.31	2.45	0.18	25.45	3.35	2.49	0.00
22.90	3.31	2.45	0.18	25.50	3.35	2.49	0.00
22.95	3.31	2.46	0.18	25.55	3.35	2.49	0.00
23.00	3.31	2.46	0.18	25.60	3.35	2.49	0.00
23.05	3.32	2.46	0.18	25.65	3.35	2.49	0.00
23.10	3.32	2.46	0.18	25.70	3.35	2.49	0.00
23.15	3.32	2.46	0.18	25.75	3.35	2.49	0.00
23.20	3.32	2.47	0.18	25.80	3.35	2.49	0.00
23.25	3.32	2.47	0.17	25.85	3.35	2.49	0.00
23.30	3.32	2.47	0.17	25.90	3.35	2.49	0.00
23.35	3.33	2.47	0.17	25.95	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	2.49	0.00	28.60	3.35	2.49	0.00
26.05	3.35	2.49	0.00	28.65	3.35	2.49	0.00
26.10	3.35	2.49	0.00	28.70	3.35	2.49	0.00
26.15	3.35	2.49	0.00	28.75	3.35	2.49	0.00
26.20	3.35	2.49	0.00	28.80	3.35	2.49	0.00
26.25	3.35	2.49	0.00	28.85	3.35	2.49	0.00
26.30	3.35	2.49	0.00	28.90	3.35	2.49	0.00
26.35	3.35	2.49	0.00	28.95	3.35	2.49	0.00
26.40	3.35	2.49	0.00	29.00	3.35	2.49	0.00
26.45	3.35	2.49	0.00	29.05	3.35	2.49	0.00
26.50	3.35	2.49	0.00	29.10	3.35	2.49	0.00
26.55	3.35	2.49	0.00	29.15	3.35	2.49	0.00
26.60	3.35	2.49	0.00	29.20	3.35	2.49	0.00
26.65	3.35	2.49	0.00	29.25	3.35	2.49	0.00
26.70	3.35	2.49	0.00	29.30	3.35	2.49	0.00
26.75	3.35	2.49	0.00	29.35	3.35	2.49	0.00
26.80	3.35	2.49	0.00	29.40	3.35	2.49	0.00
26.85	3.35	2.49	0.00	29.45	3.35	2.49	0.00
26.90	3.35	2.49	0.00	29.50	3.35	2.49	0.00
26.95	3.35	2.49	0.00	29.55	3.35	2.49	0.00
27.00	3.35	2.49	0.00	29.60	3.35	2.49	0.00
27.05	3.35	2.49	0.00	29.65	3.35	2.49	0.00
27.10	3.35	2.49	0.00	29.70	3.35	2.49	0.00
27.15	3.35	2.49	0.00	29.75	3.35	2.49	0.00
27.20	3.35	2.49	0.00	29.80	3.35	2.49	0.00
27.25	3.35	2.49	0.00	29.85	3.35	2.49	0.00
27.30	3.35	2.49	0.00	29.90	3.35	2.49	0.00
27.35	3.35	2.49	0.00	29.95	3.35	2.49	0.00
27.40	3.35	2.49	0.00	30.00	3.35	2.49	0.00
27.45	3.35	2.49	0.00	30.05	3.35	2.49	0.00
27.50	3.35	2.49	0.00	30.10	3.35	2.49	0.00
27.55	3.35	2.49	0.00	30.15	3.35	2.49	0.00
27.60	3.35	2.49	0.00	30.20	3.35	2.49	0.00
27.65	3.35	2.49	0.00	30.25	3.35	2.49	0.00
27.70	3.35	2.49	0.00	30.30	3.35	2.49	0.00
27.75	3.35	2.49	0.00	30.35	3.35	2.49	0.00
27.80	3.35	2.49	0.00	30.40	3.35	2.49	0.00
27.85	3.35	2.49	0.00	30.45	3.35	2.49	0.00
27.90	3.35	2.49	0.00	30.50	3.35	2.49	0.00
27.95	3.35	2.49	0.00	30.55	3.35	2.49	0.00
28.00	3.35	2.49	0.00	30.60	3.35	2.49	0.00
28.05	3.35	2.49	0.00	30.65	3.35	2.49	0.00
28.10	3.35	2.49	0.00	30.70	3.35	2.49	0.00
28.15	3.35	2.49	0.00	30.75	3.35	2.49	0.00
28.20	3.35	2.49	0.00	30.80	3.35	2.49	0.00
28.25	3.35	2.49	0.00	30.85	3.35	2.49	0.00
28.30	3.35	2.49	0.00	30.90	3.35	2.49	0.00
28.35	3.35	2.49	0.00	30.95	3.35	2.49	0.00
28.40	3.35	2.49	0.00	31.00	3.35	2.49	0.00
28.45	3.35	2.49	0.00	31.05	3.35	2.49	0.00
28.50	3.35	2.49	0.00	31.10	3.35	2.49	0.00
28.55	3.35	2.49	0.00	31.15	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	2.49	0.00	33.80	3.35	2.49	0.00
31.25	3.35	2.49	0.00	33.85	3.35	2.49	0.00
31.30	3.35	2.49	0.00	33.90	3.35	2.49	0.00
31.35	3.35	2.49	0.00	33.95	3.35	2.49	0.00
31.40	3.35	2.49	0.00	34.00	3.35	2.49	0.00
31.45	3.35	2.49	0.00	34.05	3.35	2.49	0.00
31.50	3.35	2.49	0.00	34.10	3.35	2.49	0.00
31.55	3.35	2.49	0.00	34.15	3.35	2.49	0.00
31.60	3.35	2.49	0.00	34.20	3.35	2.49	0.00
31.65	3.35	2.49	0.00	34.25	3.35	2.49	0.00
31.70	3.35	2.49	0.00	34.30	3.35	2.49	0.00
31.75	3.35	2.49	0.00	34.35	3.35	2.49	0.00
31.80	3.35	2.49	0.00	34.40	3.35	2.49	0.00
31.85	3.35	2.49	0.00	34.45	3.35	2.49	0.00
31.90	3.35	2.49	0.00	34.50	3.35	2.49	0.00
31.95	3.35	2.49	0.00	34.55	3.35	2.49	0.00
32.00	3.35	2.49	0.00	34.60	3.35	2.49	0.00
32.05	3.35	2.49	0.00	34.65	3.35	2.49	0.00
32.10	3.35	2.49	0.00	34.70	3.35	2.49	0.00
32.15	3.35	2.49	0.00	34.75	3.35	2.49	0.00
32.20	3.35	2.49	0.00	34.80	3.35	2.49	0.00
32.25	3.35	2.49	0.00	34.85	3.35	2.49	0.00
32.30	3.35	2.49	0.00	34.90	3.35	2.49	0.00
32.35	3.35	2.49	0.00	34.95	3.35	2.49	0.00
32.40	3.35	2.49	0.00	35.00	3.35	2.49	0.00
32.45	3.35	2.49	0.00	35.05	3.35	2.49	0.00
32.50	3.35	2.49	0.00	35.10	3.35	2.49	0.00
32.55	3.35	2.49	0.00	35.15	3.35	2.49	0.00
32.60	3.35	2.49	0.00	35.20	3.35	2.49	0.00
32.65	3.35	2.49	0.00	35.25	3.35	2.49	0.00
32.70	3.35	2.49	0.00	35.30	3.35	2.49	0.00
32.75	3.35	2.49	0.00	35.35	3.35	2.49	0.00
32.80	3.35	2.49	0.00	35.40	3.35	2.49	0.00
32.85	3.35	2.49	0.00	35.45	3.35	2.49	0.00
32.90	3.35	2.49	0.00	35.50	3.35	2.49	0.00
32.95	3.35	2.49	0.00	35.55	3.35	2.49	0.00
33.00	3.35	2.49	0.00	35.60	3.35	2.49	0.00
33.05	3.35	2.49	0.00	35.65	3.35	2.49	0.00
33.10	3.35	2.49	0.00	35.70	3.35	2.49	0.00
33.15	3.35	2.49	0.00	35.75	3.35	2.49	0.00
33.20	3.35	2.49	0.00	35.80	3.35	2.49	0.00
33.25	3.35	2.49	0.00	35.85	3.35	2.49	0.00
33.30	3.35	2.49	0.00	35.90	3.35	2.49	0.00
33.35	3.35	2.49	0.00	35.95	3.35	2.49	0.00
33.40	3.35	2.49	0.00	36.00	3.35	2.49	0.00
33.45	3.35	2.49	0.00	36.05	3.35	2.49	0.00
33.50	3.35	2.49	0.00	36.10	3.35	2.49	0.00
33.55	3.35	2.49	0.00	36.15	3.35	2.49	0.00
33.60	3.35	2.49	0.00	36.20	3.35	2.49	0.00
33.65	3.35	2.49	0.00	36.25	3.35	2.49	0.00
33.70	3.35	2.49	0.00	36.30	3.35	2.49	0.00
33.75	3.35	2.49	0.00	36.35	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	2.49	0.00	39.00	3.35	2.49	0.00
36.45	3.35	2.49	0.00	39.05	3.35	2.49	0.00
36.50	3.35	2.49	0.00	39.10	3.35	2.49	0.00
36.55	3.35	2.49	0.00	39.15	3.35	2.49	0.00
36.60	3.35	2.49	0.00	39.20	3.35	2.49	0.00
36.65	3.35	2.49	0.00	39.25	3.35	2.49	0.00
36.70	3.35	2.49	0.00	39.30	3.35	2.49	0.00
36.75	3.35	2.49	0.00	39.35	3.35	2.49	0.00
36.80	3.35	2.49	0.00	39.40	3.35	2.49	0.00
36.85	3.35	2.49	0.00	39.45	3.35	2.49	0.00
36.90	3.35	2.49	0.00	39.50	3.35	2.49	0.00
36.95	3.35	2.49	0.00	39.55	3.35	2.49	0.00
37.00	3.35	2.49	0.00	39.60	3.35	2.49	0.00
37.05	3.35	2.49	0.00	39.65	3.35	2.49	0.00
37.10	3.35	2.49	0.00	39.70	3.35	2.49	0.00
37.15	3.35	2.49	0.00	39.75	3.35	2.49	0.00
37.20	3.35	2.49	0.00	39.80	3.35	2.49	0.00
37.25	3.35	2.49	0.00	39.85	3.35	2.49	0.00
37.30	3.35	2.49	0.00	39.90	3.35	2.49	0.00
37.35	3.35	2.49	0.00	39.95	3.35	2.49	0.00
37.40	3.35	2.49	0.00	40.00	3.35	2.49	0.00
37.45	3.35	2.49	0.00				
37.50	3.35	2.49	0.00				
37.55	3.35	2.49	0.00				
37.60	3.35	2.49	0.00				
37.65	3.35	2.49	0.00				
37.70	3.35	2.49	0.00				
37.75	3.35	2.49	0.00				
37.80	3.35	2.49	0.00				
37.85	3.35	2.49	0.00				
37.90	3.35	2.49	0.00				
37.95	3.35	2.49	0.00				
38.00	3.35	2.49	0.00				
38.05	3.35	2.49	0.00				
38.10	3.35	2.49	0.00				
38.15	3.35	2.49	0.00				
38.20	3.35	2.49	0.00				
38.25	3.35	2.49	0.00				
38.30	3.35	2.49	0.00				
38.35	3.35	2.49	0.00				
38.40	3.35	2.49	0.00				
38.45	3.35	2.49	0.00				
38.50	3.35	2.49	0.00				
38.55	3.35	2.49	0.00				
38.60	3.35	2.49	0.00				
38.65	3.35	2.49	0.00				
38.70	3.35	2.49	0.00				
38.75	3.35	2.49	0.00				
38.80	3.35	2.49	0.00				
38.85	3.35	2.49	0.00				
38.90	3.35	2.49	0.00				
38.95	3.35	2.49	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

Runoff = 44.37 cfs @ 12.18 hrs, Volume= 3.707 af, Depth= 0.72"
 Routed to Link XDA-1 : Existing Drainage Area #1

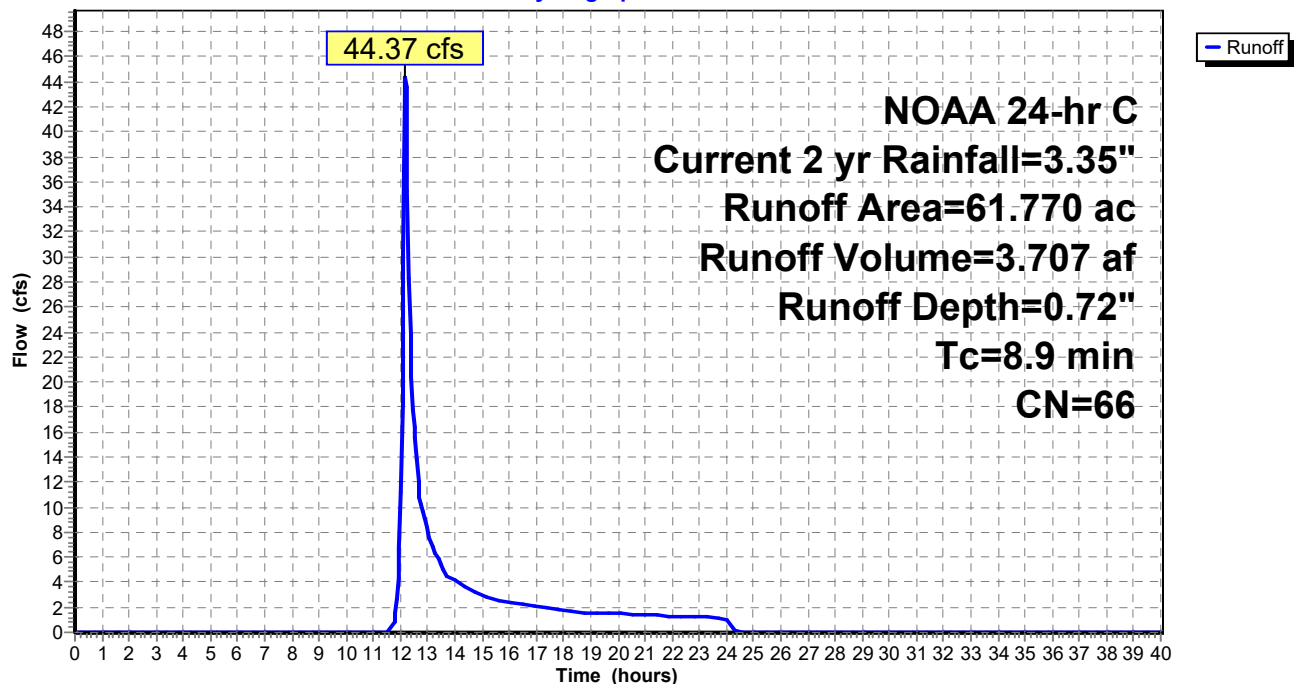
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.34	8.19
10.45	0.68	0.00	0.00	13.05	2.56	0.35	7.81
10.50	0.69	0.00	0.00	13.10	2.57	0.36	7.41
10.55	0.70	0.00	0.00	13.15	2.58	0.36	7.03
10.60	0.71	0.00	0.00	13.20	2.60	0.37	6.73
10.65	0.72	0.00	0.00	13.25	2.61	0.37	6.48
10.70	0.73	0.00	0.00	13.30	2.62	0.37	6.24
10.75	0.74	0.00	0.00	13.35	2.63	0.38	6.02
10.80	0.75	0.00	0.00	13.40	2.64	0.38	5.80
10.85	0.77	0.00	0.00	13.45	2.65	0.39	5.57
10.90	0.78	0.00	0.00	13.50	2.66	0.39	5.35
10.95	0.79	0.00	0.00	13.55	2.67	0.40	5.12
11.00	0.80	0.00	0.00	13.60	2.68	0.40	4.89
11.05	0.82	0.00	0.00	13.65	2.68	0.40	4.67
11.10	0.83	0.00	0.00	13.70	2.69	0.41	4.53
11.15	0.85	0.00	0.00	13.75	2.70	0.41	4.44
11.20	0.87	0.00	0.00	13.80	2.71	0.41	4.37
11.25	0.89	0.00	0.00	13.85	2.72	0.42	4.31
11.30	0.91	0.00	0.00	13.90	2.72	0.42	4.25
11.35	0.93	0.00	0.00	13.95	2.73	0.42	4.20
11.40	0.95	0.00	0.00	14.00	2.74	0.43	4.14
11.45	0.97	0.00	0.00	14.05	2.75	0.43	4.08
11.50	0.99	0.00	0.00	14.10	2.75	0.43	4.02
11.55	1.02	0.00	0.00	14.15	2.76	0.44	3.97
11.60	1.06	0.00	0.00	14.20	2.77	0.44	3.91
11.65	1.09	0.00	0.07	14.25	2.77	0.44	3.86
11.70	1.13	0.00	0.32	14.30	2.78	0.44	3.80
11.75	1.18	0.00	0.78	14.35	2.79	0.45	3.74
11.80	1.23	0.01	1.54	14.40	2.79	0.45	3.67
11.85	1.29	0.01	2.64	14.45	2.80	0.45	3.61
11.90	1.36	0.02	4.29	14.50	2.81	0.46	3.55
11.95	1.48	0.04	6.76	14.55	2.81	0.46	3.50
12.00	1.60	0.06	11.25	14.60	2.82	0.46	3.43
12.05	1.79	0.10	18.31	14.65	2.82	0.46	3.37
12.10	1.99	0.15	30.17	14.70	2.83	0.47	3.30
12.15	2.06	0.17	43.00	14.75	2.84	0.47	3.24
12.20	2.12	0.19	43.51	14.80	2.84	0.47	3.18
12.25	2.17	0.21	35.24	14.85	2.85	0.47	3.12
12.30	2.22	0.22	28.31	14.90	2.85	0.48	3.05
12.35	2.26	0.24	23.79	14.95	2.86	0.48	2.98
12.40	2.29	0.25	20.39	15.00	2.86	0.48	2.92
12.45	2.33	0.26	17.83	15.05	2.87	0.48	2.85
12.50	2.36	0.27	16.42	15.10	2.87	0.48	2.79
12.55	2.38	0.28	15.52	15.15	2.87	0.49	2.73
12.60	2.40	0.29	13.88	15.20	2.88	0.49	2.69
12.65	2.42	0.30	11.99	15.25	2.88	0.49	2.66
12.70	2.44	0.30	10.81	15.30	2.89	0.49	2.64
12.75	2.46	0.31	10.18	15.35	2.89	0.49	2.62
12.80	2.48	0.32	9.71	15.40	2.90	0.50	2.61
12.85	2.50	0.33	9.32	15.45	2.90	0.50	2.59
12.90	2.52	0.33	8.94	15.50	2.91	0.50	2.58
12.95	2.53	0.34	8.57	15.55	2.91	0.50	2.56

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.50	2.54	18.20	3.10	0.59	1.65
15.65	2.92	0.51	2.53	18.25	3.10	0.59	1.64
15.70	2.92	0.51	2.51	18.30	3.10	0.59	1.64
15.75	2.93	0.51	2.50	18.35	3.10	0.59	1.63
15.80	2.93	0.51	2.48	18.40	3.11	0.60	1.63
15.85	2.94	0.51	2.46	18.45	3.11	0.60	1.62
15.90	2.94	0.52	2.45	18.50	3.11	0.60	1.62
15.95	2.94	0.52	2.44	18.55	3.11	0.60	1.62
16.00	2.95	0.52	2.42	18.60	3.12	0.60	1.61
16.05	2.95	0.52	2.40	18.65	3.12	0.60	1.61
16.10	2.96	0.52	2.38	18.70	3.12	0.60	1.60
16.15	2.96	0.53	2.37	18.75	3.12	0.61	1.60
16.20	2.96	0.53	2.36	18.80	3.13	0.61	1.60
16.25	2.97	0.53	2.34	18.85	3.13	0.61	1.59
16.30	2.97	0.53	2.32	18.90	3.13	0.61	1.59
16.35	2.98	0.53	2.30	18.95	3.13	0.61	1.58
16.40	2.98	0.54	2.29	19.00	3.14	0.61	1.58
16.45	2.98	0.54	2.27	19.05	3.14	0.61	1.58
16.50	2.99	0.54	2.25	19.10	3.14	0.61	1.57
16.55	2.99	0.54	2.23	19.15	3.14	0.62	1.57
16.60	3.00	0.54	2.22	19.20	3.15	0.62	1.56
16.65	3.00	0.54	2.20	19.25	3.15	0.62	1.56
16.70	3.00	0.55	2.19	19.30	3.15	0.62	1.56
16.75	3.01	0.55	2.17	19.35	3.15	0.62	1.55
16.80	3.01	0.55	2.15	19.40	3.16	0.62	1.55
16.85	3.01	0.55	2.13	19.45	3.16	0.62	1.54
16.90	3.02	0.55	2.11	19.50	3.16	0.62	1.54
16.95	3.02	0.55	2.10	19.55	3.16	0.63	1.53
17.00	3.02	0.56	2.08	19.60	3.17	0.63	1.53
17.05	3.03	0.56	2.06	19.65	3.17	0.63	1.53
17.10	3.03	0.56	2.05	19.70	3.17	0.63	1.52
17.15	3.03	0.56	2.03	19.75	3.17	0.63	1.52
17.20	3.04	0.56	2.01	19.80	3.18	0.63	1.52
17.25	3.04	0.56	1.99	19.85	3.18	0.63	1.52
17.30	3.04	0.57	1.97	19.90	3.18	0.63	1.51
17.35	3.05	0.57	1.95	19.95	3.18	0.63	1.50
17.40	3.05	0.57	1.93	20.00	3.19	0.64	1.50
17.45	3.05	0.57	1.92	20.05	3.19	0.64	1.49
17.50	3.06	0.57	1.90	20.10	3.19	0.64	1.49
17.55	3.06	0.57	1.88	20.15	3.19	0.64	1.48
17.60	3.06	0.57	1.86	20.20	3.20	0.64	1.48
17.65	3.06	0.58	1.85	20.25	3.20	0.64	1.48
17.70	3.07	0.58	1.83	20.30	3.20	0.64	1.47
17.75	3.07	0.58	1.81	20.35	3.20	0.64	1.47
17.80	3.07	0.58	1.79	20.40	3.20	0.65	1.46
17.85	3.08	0.58	1.77	20.45	3.21	0.65	1.46
17.90	3.08	0.58	1.75	20.50	3.21	0.65	1.45
17.95	3.08	0.58	1.73	20.55	3.21	0.65	1.45
18.00	3.08	0.59	1.71	20.60	3.21	0.65	1.45
18.05	3.09	0.59	1.70	20.65	3.22	0.65	1.45
18.10	3.09	0.59	1.68	20.70	3.22	0.65	1.44
18.15	3.09	0.59	1.66	20.75	3.22	0.65	1.43

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.65	1.43	23.40	3.33	0.71	1.19
20.85	3.23	0.66	1.42	23.45	3.33	0.71	1.19
20.90	3.23	0.66	1.42	23.50	3.33	0.71	1.18
20.95	3.23	0.66	1.41	23.55	3.33	0.71	1.17
21.00	3.23	0.66	1.41	23.60	3.34	0.71	1.17
21.05	3.23	0.66	1.41	23.65	3.34	0.71	1.16
21.10	3.24	0.66	1.40	23.70	3.34	0.71	1.16
21.15	3.24	0.66	1.40	23.75	3.34	0.72	1.16
21.20	3.24	0.66	1.39	23.80	3.34	0.72	1.15
21.25	3.24	0.66	1.39	23.85	3.34	0.72	1.14
21.30	3.24	0.67	1.39	23.90	3.35	0.72	1.14
21.35	3.25	0.67	1.38	23.95	3.35	0.72	1.14
21.40	3.25	0.67	1.38	24.00	3.35	0.72	1.21
21.45	3.25	0.67	1.37	24.05	3.35	0.72	1.23
21.50	3.25	0.67	1.37	24.10	3.35	0.72	0.92
21.55	3.26	0.67	1.36	24.15	3.35	0.72	0.47
21.60	3.26	0.67	1.36	24.20	3.35	0.72	0.21
21.65	3.26	0.67	1.35	24.25	3.35	0.72	0.09
21.70	3.26	0.67	1.35	24.30	3.35	0.72	0.04
21.75	3.26	0.68	1.34	24.35	3.35	0.72	0.02
21.80	3.27	0.68	1.34	24.40	3.35	0.72	0.01
21.85	3.27	0.68	1.34	24.45	3.35	0.72	0.00
21.90	3.27	0.68	1.33	24.50	3.35	0.72	0.00
21.95	3.27	0.68	1.33	24.55	3.35	0.72	0.00
22.00	3.27	0.68	1.32	24.60	3.35	0.72	0.00
22.05	3.28	0.68	1.31	24.65	3.35	0.72	0.00
22.10	3.28	0.68	1.31	24.70	3.35	0.72	0.00
22.15	3.28	0.68	1.30	24.75	3.35	0.72	0.00
22.20	3.28	0.69	1.30	24.80	3.35	0.72	0.00
22.25	3.28	0.69	1.30	24.85	3.35	0.72	0.00
22.30	3.29	0.69	1.30	24.90	3.35	0.72	0.00
22.35	3.29	0.69	1.29	24.95	3.35	0.72	0.00
22.40	3.29	0.69	1.28	25.00	3.35	0.72	0.00
22.45	3.29	0.69	1.28	25.05	3.35	0.72	0.00
22.50	3.29	0.69	1.27	25.10	3.35	0.72	0.00
22.55	3.30	0.69	1.27	25.15	3.35	0.72	0.00
22.60	3.30	0.69	1.26	25.20	3.35	0.72	0.00
22.65	3.30	0.69	1.26	25.25	3.35	0.72	0.00
22.70	3.30	0.70	1.26	25.30	3.35	0.72	0.00
22.75	3.30	0.70	1.25	25.35	3.35	0.72	0.00
22.80	3.31	0.70	1.24	25.40	3.35	0.72	0.00
22.85	3.31	0.70	1.24	25.45	3.35	0.72	0.00
22.90	3.31	0.70	1.23	25.50	3.35	0.72	0.00
22.95	3.31	0.70	1.23	25.55	3.35	0.72	0.00
23.00	3.31	0.70	1.23	25.60	3.35	0.72	0.00
23.05	3.32	0.70	1.22	25.65	3.35	0.72	0.00
23.10	3.32	0.70	1.22	25.70	3.35	0.72	0.00
23.15	3.32	0.70	1.21	25.75	3.35	0.72	0.00
23.20	3.32	0.70	1.20	25.80	3.35	0.72	0.00
23.25	3.32	0.71	1.20	25.85	3.35	0.72	0.00
23.30	3.32	0.71	1.19	25.90	3.35	0.72	0.00
23.35	3.33	0.71	1.19	25.95	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.72	0.00	28.60	3.35	0.72	0.00
26.05	3.35	0.72	0.00	28.65	3.35	0.72	0.00
26.10	3.35	0.72	0.00	28.70	3.35	0.72	0.00
26.15	3.35	0.72	0.00	28.75	3.35	0.72	0.00
26.20	3.35	0.72	0.00	28.80	3.35	0.72	0.00
26.25	3.35	0.72	0.00	28.85	3.35	0.72	0.00
26.30	3.35	0.72	0.00	28.90	3.35	0.72	0.00
26.35	3.35	0.72	0.00	28.95	3.35	0.72	0.00
26.40	3.35	0.72	0.00	29.00	3.35	0.72	0.00
26.45	3.35	0.72	0.00	29.05	3.35	0.72	0.00
26.50	3.35	0.72	0.00	29.10	3.35	0.72	0.00
26.55	3.35	0.72	0.00	29.15	3.35	0.72	0.00
26.60	3.35	0.72	0.00	29.20	3.35	0.72	0.00
26.65	3.35	0.72	0.00	29.25	3.35	0.72	0.00
26.70	3.35	0.72	0.00	29.30	3.35	0.72	0.00
26.75	3.35	0.72	0.00	29.35	3.35	0.72	0.00
26.80	3.35	0.72	0.00	29.40	3.35	0.72	0.00
26.85	3.35	0.72	0.00	29.45	3.35	0.72	0.00
26.90	3.35	0.72	0.00	29.50	3.35	0.72	0.00
26.95	3.35	0.72	0.00	29.55	3.35	0.72	0.00
27.00	3.35	0.72	0.00	29.60	3.35	0.72	0.00
27.05	3.35	0.72	0.00	29.65	3.35	0.72	0.00
27.10	3.35	0.72	0.00	29.70	3.35	0.72	0.00
27.15	3.35	0.72	0.00	29.75	3.35	0.72	0.00
27.20	3.35	0.72	0.00	29.80	3.35	0.72	0.00
27.25	3.35	0.72	0.00	29.85	3.35	0.72	0.00
27.30	3.35	0.72	0.00	29.90	3.35	0.72	0.00
27.35	3.35	0.72	0.00	29.95	3.35	0.72	0.00
27.40	3.35	0.72	0.00	30.00	3.35	0.72	0.00
27.45	3.35	0.72	0.00	30.05	3.35	0.72	0.00
27.50	3.35	0.72	0.00	30.10	3.35	0.72	0.00
27.55	3.35	0.72	0.00	30.15	3.35	0.72	0.00
27.60	3.35	0.72	0.00	30.20	3.35	0.72	0.00
27.65	3.35	0.72	0.00	30.25	3.35	0.72	0.00
27.70	3.35	0.72	0.00	30.30	3.35	0.72	0.00
27.75	3.35	0.72	0.00	30.35	3.35	0.72	0.00
27.80	3.35	0.72	0.00	30.40	3.35	0.72	0.00
27.85	3.35	0.72	0.00	30.45	3.35	0.72	0.00
27.90	3.35	0.72	0.00	30.50	3.35	0.72	0.00
27.95	3.35	0.72	0.00	30.55	3.35	0.72	0.00
28.00	3.35	0.72	0.00	30.60	3.35	0.72	0.00
28.05	3.35	0.72	0.00	30.65	3.35	0.72	0.00
28.10	3.35	0.72	0.00	30.70	3.35	0.72	0.00
28.15	3.35	0.72	0.00	30.75	3.35	0.72	0.00
28.20	3.35	0.72	0.00	30.80	3.35	0.72	0.00
28.25	3.35	0.72	0.00	30.85	3.35	0.72	0.00
28.30	3.35	0.72	0.00	30.90	3.35	0.72	0.00
28.35	3.35	0.72	0.00	30.95	3.35	0.72	0.00
28.40	3.35	0.72	0.00	31.00	3.35	0.72	0.00
28.45	3.35	0.72	0.00	31.05	3.35	0.72	0.00
28.50	3.35	0.72	0.00	31.10	3.35	0.72	0.00
28.55	3.35	0.72	0.00	31.15	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.72	0.00	33.80	3.35	0.72	0.00
31.25	3.35	0.72	0.00	33.85	3.35	0.72	0.00
31.30	3.35	0.72	0.00	33.90	3.35	0.72	0.00
31.35	3.35	0.72	0.00	33.95	3.35	0.72	0.00
31.40	3.35	0.72	0.00	34.00	3.35	0.72	0.00
31.45	3.35	0.72	0.00	34.05	3.35	0.72	0.00
31.50	3.35	0.72	0.00	34.10	3.35	0.72	0.00
31.55	3.35	0.72	0.00	34.15	3.35	0.72	0.00
31.60	3.35	0.72	0.00	34.20	3.35	0.72	0.00
31.65	3.35	0.72	0.00	34.25	3.35	0.72	0.00
31.70	3.35	0.72	0.00	34.30	3.35	0.72	0.00
31.75	3.35	0.72	0.00	34.35	3.35	0.72	0.00
31.80	3.35	0.72	0.00	34.40	3.35	0.72	0.00
31.85	3.35	0.72	0.00	34.45	3.35	0.72	0.00
31.90	3.35	0.72	0.00	34.50	3.35	0.72	0.00
31.95	3.35	0.72	0.00	34.55	3.35	0.72	0.00
32.00	3.35	0.72	0.00	34.60	3.35	0.72	0.00
32.05	3.35	0.72	0.00	34.65	3.35	0.72	0.00
32.10	3.35	0.72	0.00	34.70	3.35	0.72	0.00
32.15	3.35	0.72	0.00	34.75	3.35	0.72	0.00
32.20	3.35	0.72	0.00	34.80	3.35	0.72	0.00
32.25	3.35	0.72	0.00	34.85	3.35	0.72	0.00
32.30	3.35	0.72	0.00	34.90	3.35	0.72	0.00
32.35	3.35	0.72	0.00	34.95	3.35	0.72	0.00
32.40	3.35	0.72	0.00	35.00	3.35	0.72	0.00
32.45	3.35	0.72	0.00	35.05	3.35	0.72	0.00
32.50	3.35	0.72	0.00	35.10	3.35	0.72	0.00
32.55	3.35	0.72	0.00	35.15	3.35	0.72	0.00
32.60	3.35	0.72	0.00	35.20	3.35	0.72	0.00
32.65	3.35	0.72	0.00	35.25	3.35	0.72	0.00
32.70	3.35	0.72	0.00	35.30	3.35	0.72	0.00
32.75	3.35	0.72	0.00	35.35	3.35	0.72	0.00
32.80	3.35	0.72	0.00	35.40	3.35	0.72	0.00
32.85	3.35	0.72	0.00	35.45	3.35	0.72	0.00
32.90	3.35	0.72	0.00	35.50	3.35	0.72	0.00
32.95	3.35	0.72	0.00	35.55	3.35	0.72	0.00
33.00	3.35	0.72	0.00	35.60	3.35	0.72	0.00
33.05	3.35	0.72	0.00	35.65	3.35	0.72	0.00
33.10	3.35	0.72	0.00	35.70	3.35	0.72	0.00
33.15	3.35	0.72	0.00	35.75	3.35	0.72	0.00
33.20	3.35	0.72	0.00	35.80	3.35	0.72	0.00
33.25	3.35	0.72	0.00	35.85	3.35	0.72	0.00
33.30	3.35	0.72	0.00	35.90	3.35	0.72	0.00
33.35	3.35	0.72	0.00	35.95	3.35	0.72	0.00
33.40	3.35	0.72	0.00	36.00	3.35	0.72	0.00
33.45	3.35	0.72	0.00	36.05	3.35	0.72	0.00
33.50	3.35	0.72	0.00	36.10	3.35	0.72	0.00
33.55	3.35	0.72	0.00	36.15	3.35	0.72	0.00
33.60	3.35	0.72	0.00	36.20	3.35	0.72	0.00
33.65	3.35	0.72	0.00	36.25	3.35	0.72	0.00
33.70	3.35	0.72	0.00	36.30	3.35	0.72	0.00
33.75	3.35	0.72	0.00	36.35	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.72	0.00	39.00	3.35	0.72	0.00
36.45	3.35	0.72	0.00	39.05	3.35	0.72	0.00
36.50	3.35	0.72	0.00	39.10	3.35	0.72	0.00
36.55	3.35	0.72	0.00	39.15	3.35	0.72	0.00
36.60	3.35	0.72	0.00	39.20	3.35	0.72	0.00
36.65	3.35	0.72	0.00	39.25	3.35	0.72	0.00
36.70	3.35	0.72	0.00	39.30	3.35	0.72	0.00
36.75	3.35	0.72	0.00	39.35	3.35	0.72	0.00
36.80	3.35	0.72	0.00	39.40	3.35	0.72	0.00
36.85	3.35	0.72	0.00	39.45	3.35	0.72	0.00
36.90	3.35	0.72	0.00	39.50	3.35	0.72	0.00
36.95	3.35	0.72	0.00	39.55	3.35	0.72	0.00
37.00	3.35	0.72	0.00	39.60	3.35	0.72	0.00
37.05	3.35	0.72	0.00	39.65	3.35	0.72	0.00
37.10	3.35	0.72	0.00	39.70	3.35	0.72	0.00
37.15	3.35	0.72	0.00	39.75	3.35	0.72	0.00
37.20	3.35	0.72	0.00	39.80	3.35	0.72	0.00
37.25	3.35	0.72	0.00	39.85	3.35	0.72	0.00
37.30	3.35	0.72	0.00	39.90	3.35	0.72	0.00
37.35	3.35	0.72	0.00	39.95	3.35	0.72	0.00
37.40	3.35	0.72	0.00	40.00	3.35	0.72	0.00
37.45	3.35	0.72	0.00				
37.50	3.35	0.72	0.00				
37.55	3.35	0.72	0.00				
37.60	3.35	0.72	0.00				
37.65	3.35	0.72	0.00				
37.70	3.35	0.72	0.00				
37.75	3.35	0.72	0.00				
37.80	3.35	0.72	0.00				
37.85	3.35	0.72	0.00				
37.90	3.35	0.72	0.00				
37.95	3.35	0.72	0.00				
38.00	3.35	0.72	0.00				
38.05	3.35	0.72	0.00				
38.10	3.35	0.72	0.00				
38.15	3.35	0.72	0.00				
38.20	3.35	0.72	0.00				
38.25	3.35	0.72	0.00				
38.30	3.35	0.72	0.00				
38.35	3.35	0.72	0.00				
38.40	3.35	0.72	0.00				
38.45	3.35	0.72	0.00				
38.50	3.35	0.72	0.00				
38.55	3.35	0.72	0.00				
38.60	3.35	0.72	0.00				
38.65	3.35	0.72	0.00				
38.70	3.35	0.72	0.00				
38.75	3.35	0.72	0.00				
38.80	3.35	0.72	0.00				
38.85	3.35	0.72	0.00				
38.90	3.35	0.72	0.00				
38.95	3.35	0.72	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 19.46 cfs @ 12.18 hrs, Volume= 1.592 af, Depth= 0.77"
Routed to Link XDA-10 : XDA-10

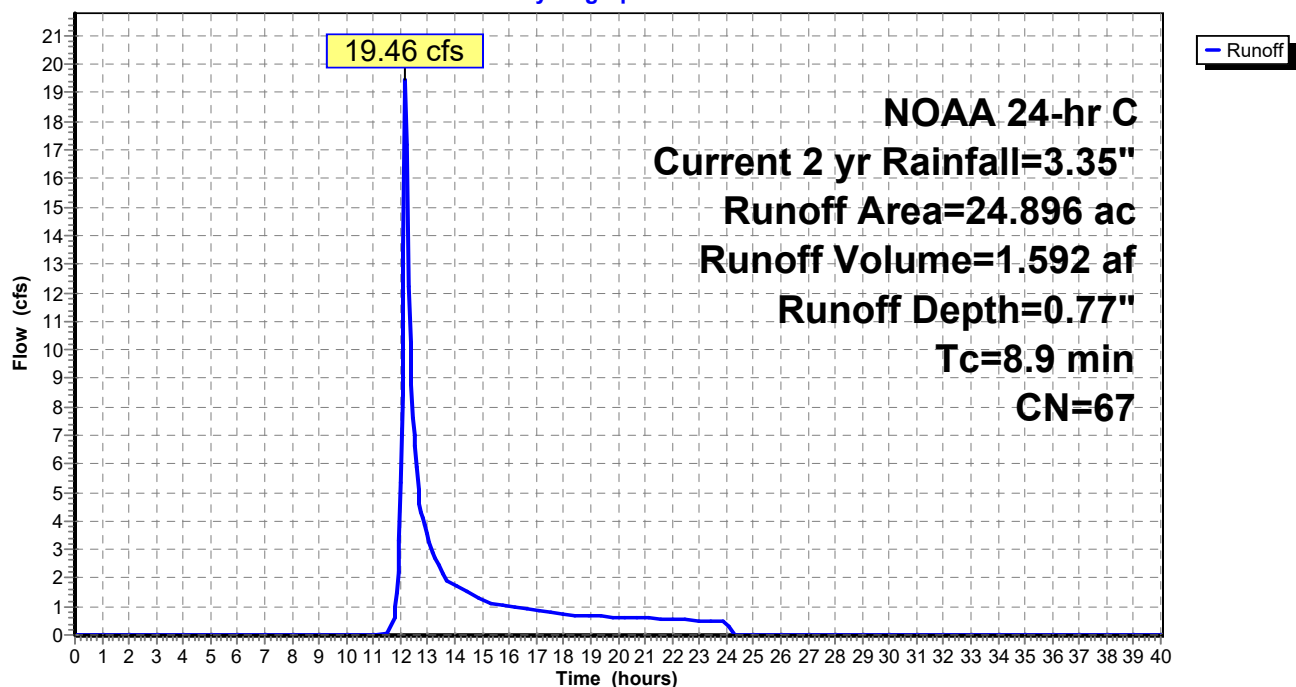
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.38	3.47
10.45	0.68	0.00	0.00	13.05	2.56	0.38	3.31
10.50	0.69	0.00	0.00	13.10	2.57	0.39	3.14
10.55	0.70	0.00	0.00	13.15	2.58	0.39	2.98
10.60	0.71	0.00	0.00	13.20	2.60	0.40	2.85
10.65	0.72	0.00	0.00	13.25	2.61	0.40	2.74
10.70	0.73	0.00	0.00	13.30	2.62	0.41	2.64
10.75	0.74	0.00	0.00	13.35	2.63	0.41	2.55
10.80	0.75	0.00	0.00	13.40	2.64	0.42	2.45
10.85	0.77	0.00	0.00	13.45	2.65	0.42	2.36
10.90	0.78	0.00	0.00	13.50	2.66	0.42	2.26
10.95	0.79	0.00	0.00	13.55	2.67	0.43	2.16
11.00	0.80	0.00	0.00	13.60	2.68	0.43	2.06
11.05	0.82	0.00	0.00	13.65	2.68	0.44	1.97
11.10	0.83	0.00	0.00	13.70	2.69	0.44	1.91
11.15	0.85	0.00	0.00	13.75	2.70	0.44	1.87
11.20	0.87	0.00	0.00	13.80	2.71	0.45	1.84
11.25	0.89	0.00	0.00	13.85	2.72	0.45	1.82
11.30	0.91	0.00	0.00	13.90	2.72	0.45	1.79
11.35	0.93	0.00	0.00	13.95	2.73	0.46	1.77
11.40	0.95	0.00	0.00	14.00	2.74	0.46	1.75
11.45	0.97	0.00	0.00	14.05	2.75	0.46	1.72
11.50	0.99	0.00	0.00	14.10	2.75	0.47	1.70
11.55	1.02	0.00	0.01	14.15	2.76	0.47	1.67
11.60	1.06	0.00	0.05	14.20	2.77	0.47	1.65
11.65	1.09	0.00	0.18	14.25	2.77	0.48	1.63
11.70	1.13	0.00	0.37	14.30	2.78	0.48	1.60
11.75	1.18	0.01	0.61	14.35	2.79	0.48	1.57
11.80	1.23	0.01	0.98	14.40	2.79	0.49	1.55
11.85	1.29	0.02	1.48	14.45	2.80	0.49	1.52
11.90	1.36	0.03	2.23	14.50	2.81	0.49	1.50
11.95	1.48	0.05	3.34	14.55	2.81	0.49	1.47
12.00	1.60	0.07	5.33	14.60	2.82	0.50	1.45
12.05	1.79	0.11	8.41	14.65	2.82	0.50	1.42
12.10	1.99	0.17	13.52	14.70	2.83	0.50	1.39
12.15	2.06	0.19	18.96	14.75	2.84	0.51	1.36
12.20	2.12	0.21	19.01	14.80	2.84	0.51	1.34
12.25	2.17	0.23	15.30	14.85	2.85	0.51	1.31
12.30	2.22	0.25	12.23	14.90	2.85	0.51	1.28
12.35	2.26	0.26	10.24	14.95	2.86	0.51	1.26
12.40	2.29	0.27	8.75	15.00	2.86	0.52	1.23
12.45	2.33	0.29	7.63	15.05	2.87	0.52	1.20
12.50	2.36	0.30	7.01	15.10	2.87	0.52	1.17
12.55	2.38	0.31	6.62	15.15	2.87	0.52	1.15
12.60	2.40	0.32	5.91	15.20	2.88	0.53	1.13
12.65	2.42	0.33	5.10	15.25	2.88	0.53	1.12
12.70	2.44	0.33	4.60	15.30	2.89	0.53	1.11
12.75	2.46	0.34	4.33	15.35	2.89	0.53	1.10
12.80	2.48	0.35	4.12	15.40	2.90	0.53	1.10
12.85	2.50	0.36	3.96	15.45	2.90	0.54	1.09
12.90	2.52	0.36	3.79	15.50	2.91	0.54	1.08
12.95	2.53	0.37	3.64	15.55	2.91	0.54	1.08

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.54	1.07	18.20	3.10	0.63	0.69
15.65	2.92	0.55	1.06	18.25	3.10	0.63	0.69
15.70	2.92	0.55	1.06	18.30	3.10	0.64	0.69
15.75	2.93	0.55	1.05	18.35	3.10	0.64	0.68
15.80	2.93	0.55	1.04	18.40	3.11	0.64	0.68
15.85	2.94	0.55	1.04	18.45	3.11	0.64	0.68
15.90	2.94	0.56	1.03	18.50	3.11	0.64	0.68
15.95	2.94	0.56	1.02	18.55	3.11	0.64	0.68
16.00	2.95	0.56	1.02	18.60	3.12	0.64	0.68
16.05	2.95	0.56	1.01	18.65	3.12	0.65	0.67
16.10	2.96	0.56	1.00	18.70	3.12	0.65	0.67
16.15	2.96	0.57	1.00	18.75	3.12	0.65	0.67
16.20	2.96	0.57	0.99	18.80	3.13	0.65	0.67
16.25	2.97	0.57	0.98	18.85	3.13	0.65	0.67
16.30	2.97	0.57	0.97	18.90	3.13	0.65	0.67
16.35	2.98	0.57	0.97	18.95	3.13	0.65	0.66
16.40	2.98	0.58	0.96	19.00	3.14	0.65	0.66
16.45	2.98	0.58	0.95	19.05	3.14	0.66	0.66
16.50	2.99	0.58	0.95	19.10	3.14	0.66	0.66
16.55	2.99	0.58	0.94	19.15	3.14	0.66	0.66
16.60	3.00	0.58	0.93	19.20	3.15	0.66	0.65
16.65	3.00	0.58	0.92	19.25	3.15	0.66	0.65
16.70	3.00	0.59	0.92	19.30	3.15	0.66	0.65
16.75	3.01	0.59	0.91	19.35	3.15	0.66	0.65
16.80	3.01	0.59	0.90	19.40	3.16	0.66	0.65
16.85	3.01	0.59	0.89	19.45	3.16	0.67	0.65
16.90	3.02	0.59	0.89	19.50	3.16	0.67	0.64
16.95	3.02	0.59	0.88	19.55	3.16	0.67	0.64
17.00	3.02	0.60	0.87	19.60	3.17	0.67	0.64
17.05	3.03	0.60	0.87	19.65	3.17	0.67	0.64
17.10	3.03	0.60	0.86	19.70	3.17	0.67	0.64
17.15	3.03	0.60	0.85	19.75	3.17	0.67	0.64
17.20	3.04	0.60	0.84	19.80	3.18	0.67	0.64
17.25	3.04	0.60	0.84	19.85	3.18	0.68	0.63
17.30	3.04	0.61	0.83	19.90	3.18	0.68	0.63
17.35	3.05	0.61	0.82	19.95	3.18	0.68	0.63
17.40	3.05	0.61	0.81	20.00	3.19	0.68	0.63
17.45	3.05	0.61	0.80	20.05	3.19	0.68	0.62
17.50	3.06	0.61	0.80	20.10	3.19	0.68	0.62
17.55	3.06	0.61	0.79	20.15	3.19	0.68	0.62
17.60	3.06	0.62	0.78	20.20	3.20	0.68	0.62
17.65	3.06	0.62	0.77	20.25	3.20	0.69	0.62
17.70	3.07	0.62	0.77	20.30	3.20	0.69	0.62
17.75	3.07	0.62	0.76	20.35	3.20	0.69	0.61
17.80	3.07	0.62	0.75	20.40	3.20	0.69	0.61
17.85	3.08	0.62	0.74	20.45	3.21	0.69	0.61
17.90	3.08	0.62	0.73	20.50	3.21	0.69	0.61
17.95	3.08	0.63	0.73	20.55	3.21	0.69	0.61
18.00	3.08	0.63	0.72	20.60	3.21	0.69	0.61
18.05	3.09	0.63	0.71	20.65	3.22	0.70	0.61
18.10	3.09	0.63	0.70	20.70	3.22	0.70	0.60
18.15	3.09	0.63	0.70	20.75	3.22	0.70	0.60

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.70	0.60	23.40	3.33	0.76	0.50
20.85	3.23	0.70	0.60	23.45	3.33	0.76	0.50
20.90	3.23	0.70	0.59	23.50	3.33	0.76	0.49
20.95	3.23	0.70	0.59	23.55	3.33	0.76	0.49
21.00	3.23	0.70	0.59	23.60	3.34	0.76	0.49
21.05	3.23	0.70	0.59	23.65	3.34	0.76	0.48
21.10	3.24	0.71	0.59	23.70	3.34	0.76	0.48
21.15	3.24	0.71	0.58	23.75	3.34	0.76	0.48
21.20	3.24	0.71	0.58	23.80	3.34	0.76	0.48
21.25	3.24	0.71	0.58	23.85	3.34	0.76	0.48
21.30	3.24	0.71	0.58	23.90	3.35	0.76	0.47
21.35	3.25	0.71	0.58	23.95	3.35	0.77	0.48
21.40	3.25	0.71	0.58	24.00	3.35	0.77	0.51
21.45	3.25	0.71	0.57	24.05	3.35	0.77	0.51
21.50	3.25	0.72	0.57	24.10	3.35	0.77	0.39
21.55	3.26	0.72	0.57	24.15	3.35	0.77	0.20
21.60	3.26	0.72	0.57	24.20	3.35	0.77	0.09
21.65	3.26	0.72	0.56	24.25	3.35	0.77	0.04
21.70	3.26	0.72	0.56	24.30	3.35	0.77	0.02
21.75	3.26	0.72	0.56	24.35	3.35	0.77	0.01
21.80	3.27	0.72	0.56	24.40	3.35	0.77	0.00
21.85	3.27	0.72	0.56	24.45	3.35	0.77	0.00
21.90	3.27	0.72	0.56	24.50	3.35	0.77	0.00
21.95	3.27	0.73	0.55	24.55	3.35	0.77	0.00
22.00	3.27	0.73	0.55	24.60	3.35	0.77	0.00
22.05	3.28	0.73	0.55	24.65	3.35	0.77	0.00
22.10	3.28	0.73	0.55	24.70	3.35	0.77	0.00
22.15	3.28	0.73	0.55	24.75	3.35	0.77	0.00
22.20	3.28	0.73	0.54	24.80	3.35	0.77	0.00
22.25	3.28	0.73	0.54	24.85	3.35	0.77	0.00
22.30	3.29	0.73	0.54	24.90	3.35	0.77	0.00
22.35	3.29	0.73	0.54	24.95	3.35	0.77	0.00
22.40	3.29	0.73	0.54	25.00	3.35	0.77	0.00
22.45	3.29	0.74	0.53	25.05	3.35	0.77	0.00
22.50	3.29	0.74	0.53	25.10	3.35	0.77	0.00
22.55	3.30	0.74	0.53	25.15	3.35	0.77	0.00
22.60	3.30	0.74	0.53	25.20	3.35	0.77	0.00
22.65	3.30	0.74	0.53	25.25	3.35	0.77	0.00
22.70	3.30	0.74	0.53	25.30	3.35	0.77	0.00
22.75	3.30	0.74	0.52	25.35	3.35	0.77	0.00
22.80	3.31	0.74	0.52	25.40	3.35	0.77	0.00
22.85	3.31	0.74	0.52	25.45	3.35	0.77	0.00
22.90	3.31	0.75	0.52	25.50	3.35	0.77	0.00
22.95	3.31	0.75	0.51	25.55	3.35	0.77	0.00
23.00	3.31	0.75	0.51	25.60	3.35	0.77	0.00
23.05	3.32	0.75	0.51	25.65	3.35	0.77	0.00
23.10	3.32	0.75	0.51	25.70	3.35	0.77	0.00
23.15	3.32	0.75	0.51	25.75	3.35	0.77	0.00
23.20	3.32	0.75	0.50	25.80	3.35	0.77	0.00
23.25	3.32	0.75	0.50	25.85	3.35	0.77	0.00
23.30	3.32	0.75	0.50	25.90	3.35	0.77	0.00
23.35	3.33	0.75	0.50	25.95	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.77	0.00	28.60	3.35	0.77	0.00
26.05	3.35	0.77	0.00	28.65	3.35	0.77	0.00
26.10	3.35	0.77	0.00	28.70	3.35	0.77	0.00
26.15	3.35	0.77	0.00	28.75	3.35	0.77	0.00
26.20	3.35	0.77	0.00	28.80	3.35	0.77	0.00
26.25	3.35	0.77	0.00	28.85	3.35	0.77	0.00
26.30	3.35	0.77	0.00	28.90	3.35	0.77	0.00
26.35	3.35	0.77	0.00	28.95	3.35	0.77	0.00
26.40	3.35	0.77	0.00	29.00	3.35	0.77	0.00
26.45	3.35	0.77	0.00	29.05	3.35	0.77	0.00
26.50	3.35	0.77	0.00	29.10	3.35	0.77	0.00
26.55	3.35	0.77	0.00	29.15	3.35	0.77	0.00
26.60	3.35	0.77	0.00	29.20	3.35	0.77	0.00
26.65	3.35	0.77	0.00	29.25	3.35	0.77	0.00
26.70	3.35	0.77	0.00	29.30	3.35	0.77	0.00
26.75	3.35	0.77	0.00	29.35	3.35	0.77	0.00
26.80	3.35	0.77	0.00	29.40	3.35	0.77	0.00
26.85	3.35	0.77	0.00	29.45	3.35	0.77	0.00
26.90	3.35	0.77	0.00	29.50	3.35	0.77	0.00
26.95	3.35	0.77	0.00	29.55	3.35	0.77	0.00
27.00	3.35	0.77	0.00	29.60	3.35	0.77	0.00
27.05	3.35	0.77	0.00	29.65	3.35	0.77	0.00
27.10	3.35	0.77	0.00	29.70	3.35	0.77	0.00
27.15	3.35	0.77	0.00	29.75	3.35	0.77	0.00
27.20	3.35	0.77	0.00	29.80	3.35	0.77	0.00
27.25	3.35	0.77	0.00	29.85	3.35	0.77	0.00
27.30	3.35	0.77	0.00	29.90	3.35	0.77	0.00
27.35	3.35	0.77	0.00	29.95	3.35	0.77	0.00
27.40	3.35	0.77	0.00	30.00	3.35	0.77	0.00
27.45	3.35	0.77	0.00	30.05	3.35	0.77	0.00
27.50	3.35	0.77	0.00	30.10	3.35	0.77	0.00
27.55	3.35	0.77	0.00	30.15	3.35	0.77	0.00
27.60	3.35	0.77	0.00	30.20	3.35	0.77	0.00
27.65	3.35	0.77	0.00	30.25	3.35	0.77	0.00
27.70	3.35	0.77	0.00	30.30	3.35	0.77	0.00
27.75	3.35	0.77	0.00	30.35	3.35	0.77	0.00
27.80	3.35	0.77	0.00	30.40	3.35	0.77	0.00
27.85	3.35	0.77	0.00	30.45	3.35	0.77	0.00
27.90	3.35	0.77	0.00	30.50	3.35	0.77	0.00
27.95	3.35	0.77	0.00	30.55	3.35	0.77	0.00
28.00	3.35	0.77	0.00	30.60	3.35	0.77	0.00
28.05	3.35	0.77	0.00	30.65	3.35	0.77	0.00
28.10	3.35	0.77	0.00	30.70	3.35	0.77	0.00
28.15	3.35	0.77	0.00	30.75	3.35	0.77	0.00
28.20	3.35	0.77	0.00	30.80	3.35	0.77	0.00
28.25	3.35	0.77	0.00	30.85	3.35	0.77	0.00
28.30	3.35	0.77	0.00	30.90	3.35	0.77	0.00
28.35	3.35	0.77	0.00	30.95	3.35	0.77	0.00
28.40	3.35	0.77	0.00	31.00	3.35	0.77	0.00
28.45	3.35	0.77	0.00	31.05	3.35	0.77	0.00
28.50	3.35	0.77	0.00	31.10	3.35	0.77	0.00
28.55	3.35	0.77	0.00	31.15	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.77	0.00	33.80	3.35	0.77	0.00
31.25	3.35	0.77	0.00	33.85	3.35	0.77	0.00
31.30	3.35	0.77	0.00	33.90	3.35	0.77	0.00
31.35	3.35	0.77	0.00	33.95	3.35	0.77	0.00
31.40	3.35	0.77	0.00	34.00	3.35	0.77	0.00
31.45	3.35	0.77	0.00	34.05	3.35	0.77	0.00
31.50	3.35	0.77	0.00	34.10	3.35	0.77	0.00
31.55	3.35	0.77	0.00	34.15	3.35	0.77	0.00
31.60	3.35	0.77	0.00	34.20	3.35	0.77	0.00
31.65	3.35	0.77	0.00	34.25	3.35	0.77	0.00
31.70	3.35	0.77	0.00	34.30	3.35	0.77	0.00
31.75	3.35	0.77	0.00	34.35	3.35	0.77	0.00
31.80	3.35	0.77	0.00	34.40	3.35	0.77	0.00
31.85	3.35	0.77	0.00	34.45	3.35	0.77	0.00
31.90	3.35	0.77	0.00	34.50	3.35	0.77	0.00
31.95	3.35	0.77	0.00	34.55	3.35	0.77	0.00
32.00	3.35	0.77	0.00	34.60	3.35	0.77	0.00
32.05	3.35	0.77	0.00	34.65	3.35	0.77	0.00
32.10	3.35	0.77	0.00	34.70	3.35	0.77	0.00
32.15	3.35	0.77	0.00	34.75	3.35	0.77	0.00
32.20	3.35	0.77	0.00	34.80	3.35	0.77	0.00
32.25	3.35	0.77	0.00	34.85	3.35	0.77	0.00
32.30	3.35	0.77	0.00	34.90	3.35	0.77	0.00
32.35	3.35	0.77	0.00	34.95	3.35	0.77	0.00
32.40	3.35	0.77	0.00	35.00	3.35	0.77	0.00
32.45	3.35	0.77	0.00	35.05	3.35	0.77	0.00
32.50	3.35	0.77	0.00	35.10	3.35	0.77	0.00
32.55	3.35	0.77	0.00	35.15	3.35	0.77	0.00
32.60	3.35	0.77	0.00	35.20	3.35	0.77	0.00
32.65	3.35	0.77	0.00	35.25	3.35	0.77	0.00
32.70	3.35	0.77	0.00	35.30	3.35	0.77	0.00
32.75	3.35	0.77	0.00	35.35	3.35	0.77	0.00
32.80	3.35	0.77	0.00	35.40	3.35	0.77	0.00
32.85	3.35	0.77	0.00	35.45	3.35	0.77	0.00
32.90	3.35	0.77	0.00	35.50	3.35	0.77	0.00
32.95	3.35	0.77	0.00	35.55	3.35	0.77	0.00
33.00	3.35	0.77	0.00	35.60	3.35	0.77	0.00
33.05	3.35	0.77	0.00	35.65	3.35	0.77	0.00
33.10	3.35	0.77	0.00	35.70	3.35	0.77	0.00
33.15	3.35	0.77	0.00	35.75	3.35	0.77	0.00
33.20	3.35	0.77	0.00	35.80	3.35	0.77	0.00
33.25	3.35	0.77	0.00	35.85	3.35	0.77	0.00
33.30	3.35	0.77	0.00	35.90	3.35	0.77	0.00
33.35	3.35	0.77	0.00	35.95	3.35	0.77	0.00
33.40	3.35	0.77	0.00	36.00	3.35	0.77	0.00
33.45	3.35	0.77	0.00	36.05	3.35	0.77	0.00
33.50	3.35	0.77	0.00	36.10	3.35	0.77	0.00
33.55	3.35	0.77	0.00	36.15	3.35	0.77	0.00
33.60	3.35	0.77	0.00	36.20	3.35	0.77	0.00
33.65	3.35	0.77	0.00	36.25	3.35	0.77	0.00
33.70	3.35	0.77	0.00	36.30	3.35	0.77	0.00
33.75	3.35	0.77	0.00	36.35	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.77	0.00	39.00	3.35	0.77	0.00
36.45	3.35	0.77	0.00	39.05	3.35	0.77	0.00
36.50	3.35	0.77	0.00	39.10	3.35	0.77	0.00
36.55	3.35	0.77	0.00	39.15	3.35	0.77	0.00
36.60	3.35	0.77	0.00	39.20	3.35	0.77	0.00
36.65	3.35	0.77	0.00	39.25	3.35	0.77	0.00
36.70	3.35	0.77	0.00	39.30	3.35	0.77	0.00
36.75	3.35	0.77	0.00	39.35	3.35	0.77	0.00
36.80	3.35	0.77	0.00	39.40	3.35	0.77	0.00
36.85	3.35	0.77	0.00	39.45	3.35	0.77	0.00
36.90	3.35	0.77	0.00	39.50	3.35	0.77	0.00
36.95	3.35	0.77	0.00	39.55	3.35	0.77	0.00
37.00	3.35	0.77	0.00	39.60	3.35	0.77	0.00
37.05	3.35	0.77	0.00	39.65	3.35	0.77	0.00
37.10	3.35	0.77	0.00	39.70	3.35	0.77	0.00
37.15	3.35	0.77	0.00	39.75	3.35	0.77	0.00
37.20	3.35	0.77	0.00	39.80	3.35	0.77	0.00
37.25	3.35	0.77	0.00	39.85	3.35	0.77	0.00
37.30	3.35	0.77	0.00	39.90	3.35	0.77	0.00
37.35	3.35	0.77	0.00	39.95	3.35	0.77	0.00
37.40	3.35	0.77	0.00	40.00	3.35	0.77	0.00
37.45	3.35	0.77	0.00				
37.50	3.35	0.77	0.00				
37.55	3.35	0.77	0.00				
37.60	3.35	0.77	0.00				
37.65	3.35	0.77	0.00				
37.70	3.35	0.77	0.00				
37.75	3.35	0.77	0.00				
37.80	3.35	0.77	0.00				
37.85	3.35	0.77	0.00				
37.90	3.35	0.77	0.00				
37.95	3.35	0.77	0.00				
38.00	3.35	0.77	0.00				
38.05	3.35	0.77	0.00				
38.10	3.35	0.77	0.00				
38.15	3.35	0.77	0.00				
38.20	3.35	0.77	0.00				
38.25	3.35	0.77	0.00				
38.30	3.35	0.77	0.00				
38.35	3.35	0.77	0.00				
38.40	3.35	0.77	0.00				
38.45	3.35	0.77	0.00				
38.50	3.35	0.77	0.00				
38.55	3.35	0.77	0.00				
38.60	3.35	0.77	0.00				
38.65	3.35	0.77	0.00				
38.70	3.35	0.77	0.00				
38.75	3.35	0.77	0.00				
38.80	3.35	0.77	0.00				
38.85	3.35	0.77	0.00				
38.90	3.35	0.77	0.00				
38.95	3.35	0.77	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

Runoff = 50.22 cfs @ 12.19 hrs, Volume= 3.872 af, Depth= 1.32"
Routed to Link XDA-2 : Existing Drainage Area #2

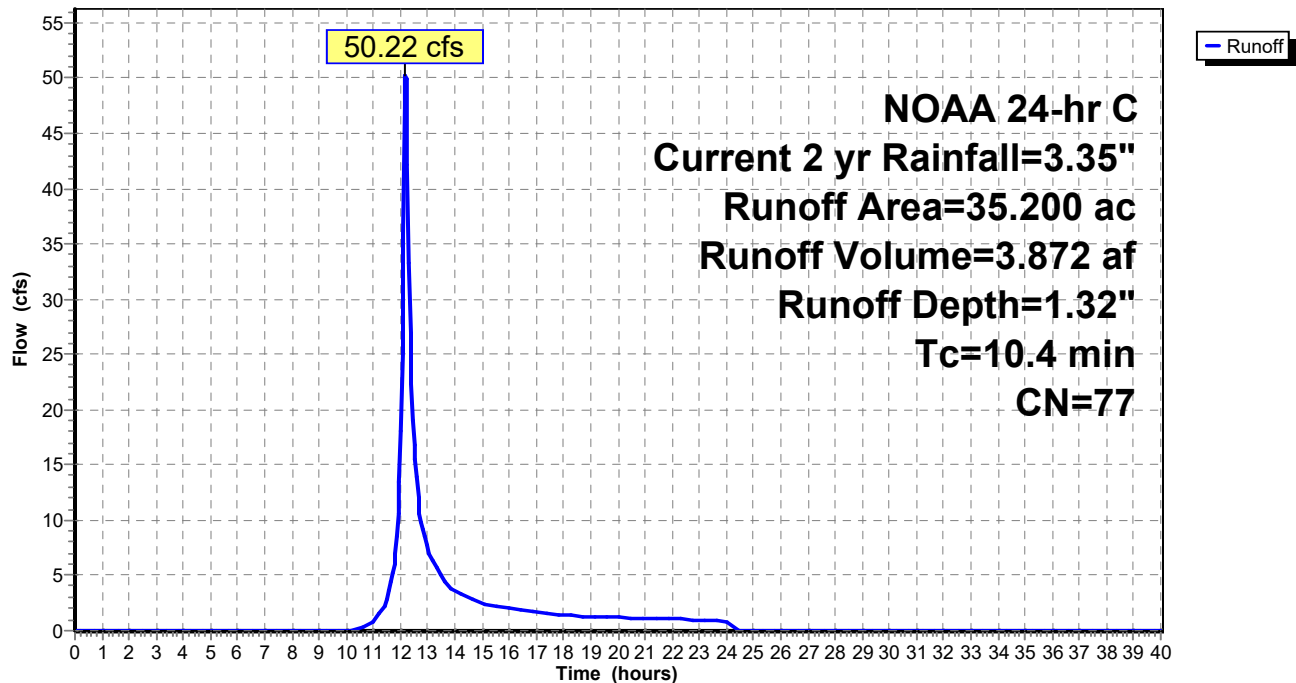
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)

Hydrograph



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.01
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.03
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.05
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.07
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.10
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.13
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.15

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.19	13.00	2.55	0.77	7.59
10.45	0.68	0.00	0.22	13.05	2.56	0.78	7.21
10.50	0.69	0.00	0.25	13.10	2.57	0.79	6.83
10.55	0.70	0.00	0.29	13.15	2.58	0.79	6.47
10.60	0.71	0.00	0.33	13.20	2.60	0.80	6.15
10.65	0.72	0.00	0.38	13.25	2.61	0.81	5.89
10.70	0.73	0.01	0.43	13.30	2.62	0.82	5.66
10.75	0.74	0.01	0.49	13.35	2.63	0.82	5.44
10.80	0.75	0.01	0.56	13.40	2.64	0.83	5.23
10.85	0.77	0.01	0.63	13.45	2.65	0.84	5.02
10.90	0.78	0.01	0.71	13.50	2.66	0.84	4.81
10.95	0.79	0.01	0.80	13.55	2.67	0.85	4.60
11.00	0.80	0.01	0.89	13.60	2.68	0.85	4.39
11.05	0.82	0.02	0.99	13.65	2.68	0.86	4.19
11.10	0.83	0.02	1.11	13.70	2.69	0.86	4.03
11.15	0.85	0.02	1.25	13.75	2.70	0.87	3.92
11.20	0.87	0.02	1.41	13.80	2.71	0.87	3.84
11.25	0.89	0.03	1.59	13.85	2.72	0.88	3.78
11.30	0.91	0.03	1.78	13.90	2.72	0.88	3.72
11.35	0.93	0.03	1.98	13.95	2.73	0.89	3.67
11.40	0.95	0.04	2.21	14.00	2.74	0.89	3.61
11.45	0.97	0.04	2.44	14.05	2.75	0.90	3.56
11.50	0.99	0.05	2.69	14.10	2.75	0.90	3.50
11.55	1.02	0.05	2.99	14.15	2.76	0.91	3.45
11.60	1.06	0.06	3.57	14.20	2.77	0.91	3.40
11.65	1.09	0.07	4.40	14.25	2.77	0.92	3.34
11.70	1.13	0.08	5.22	14.30	2.78	0.92	3.29
11.75	1.18	0.09	5.97	14.35	2.79	0.93	3.23
11.80	1.23	0.11	7.03	14.40	2.79	0.93	3.18
11.85	1.29	0.13	8.54	14.45	2.80	0.93	3.12
11.90	1.36	0.16	10.61	14.50	2.81	0.94	3.07
11.95	1.48	0.20	13.44	14.55	2.81	0.94	3.01
12.00	1.60	0.25	18.14	14.60	2.82	0.95	2.96
12.05	1.79	0.34	25.20	14.65	2.82	0.95	2.90
12.10	1.99	0.44	35.76	14.70	2.83	0.95	2.84
12.15	2.06	0.48	47.37	14.75	2.84	0.96	2.79
12.20	2.12	0.52	49.89	14.80	2.84	0.96	2.73
12.25	2.17	0.54	42.20	14.85	2.85	0.97	2.67
12.30	2.22	0.57	33.24	14.90	2.85	0.97	2.62
12.35	2.26	0.59	26.94	14.95	2.86	0.97	2.56
12.40	2.29	0.61	22.40	15.00	2.86	0.98	2.50
12.45	2.33	0.63	19.05	15.05	2.87	0.98	2.44
12.50	2.36	0.65	16.85	15.10	2.87	0.98	2.38
12.55	2.38	0.67	15.50	15.15	2.87	0.99	2.33
12.60	2.40	0.68	13.95	15.20	2.88	0.99	2.29
12.65	2.42	0.69	12.09	15.25	2.88	0.99	2.26
12.70	2.44	0.71	10.65	15.30	2.89	0.99	2.24
12.75	2.46	0.72	9.80	15.35	2.89	1.00	2.22
12.80	2.48	0.73	9.22	15.40	2.90	1.00	2.20
12.85	2.50	0.74	8.76	15.45	2.90	1.00	2.19
12.90	2.52	0.75	8.35	15.50	2.91	1.01	2.18
12.95	2.53	0.76	7.97	15.55	2.91	1.01	2.16

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	1.01	2.14	18.20	3.10	1.14	1.35
15.65	2.92	1.02	2.13	18.25	3.10	1.14	1.35
15.70	2.92	1.02	2.12	18.30	3.10	1.14	1.34
15.75	2.93	1.02	2.10	18.35	3.10	1.14	1.34
15.80	2.93	1.02	2.08	18.40	3.11	1.15	1.33
15.85	2.94	1.03	2.07	18.45	3.11	1.15	1.33
15.90	2.94	1.03	2.06	18.50	3.11	1.15	1.32
15.95	2.94	1.03	2.04	18.55	3.11	1.15	1.32
16.00	2.95	1.04	2.03	18.60	3.12	1.15	1.32
16.05	2.95	1.04	2.01	18.65	3.12	1.15	1.31
16.10	2.96	1.04	2.00	18.70	3.12	1.16	1.31
16.15	2.96	1.04	1.98	18.75	3.12	1.16	1.31
16.20	2.96	1.05	1.97	18.80	3.13	1.16	1.30
16.25	2.97	1.05	1.96	18.85	3.13	1.16	1.30
16.30	2.97	1.05	1.94	18.90	3.13	1.16	1.29
16.35	2.98	1.05	1.92	18.95	3.13	1.17	1.29
16.40	2.98	1.06	1.91	19.00	3.14	1.17	1.29
16.45	2.98	1.06	1.89	19.05	3.14	1.17	1.28
16.50	2.99	1.06	1.88	19.10	3.14	1.17	1.28
16.55	2.99	1.07	1.86	19.15	3.14	1.17	1.28
16.60	3.00	1.07	1.85	19.20	3.15	1.17	1.27
16.65	3.00	1.07	1.83	19.25	3.15	1.18	1.27
16.70	3.00	1.07	1.82	19.30	3.15	1.18	1.26
16.75	3.01	1.08	1.80	19.35	3.15	1.18	1.26
16.80	3.01	1.08	1.79	19.40	3.16	1.18	1.26
16.85	3.01	1.08	1.77	19.45	3.16	1.18	1.25
16.90	3.02	1.08	1.76	19.50	3.16	1.18	1.25
16.95	3.02	1.08	1.74	19.55	3.16	1.19	1.25
17.00	3.02	1.09	1.73	19.60	3.17	1.19	1.24
17.05	3.03	1.09	1.71	19.65	3.17	1.19	1.24
17.10	3.03	1.09	1.70	19.70	3.17	1.19	1.23
17.15	3.03	1.09	1.68	19.75	3.17	1.19	1.23
17.20	3.04	1.10	1.67	19.80	3.18	1.20	1.23
17.25	3.04	1.10	1.65	19.85	3.18	1.20	1.23
17.30	3.04	1.10	1.63	19.90	3.18	1.20	1.22
17.35	3.05	1.10	1.62	19.95	3.18	1.20	1.22
17.40	3.05	1.11	1.60	20.00	3.19	1.20	1.21
17.45	3.05	1.11	1.58	20.05	3.19	1.20	1.21
17.50	3.06	1.11	1.57	20.10	3.19	1.21	1.20
17.55	3.06	1.11	1.56	20.15	3.19	1.21	1.20
17.60	3.06	1.11	1.54	20.20	3.20	1.21	1.20
17.65	3.06	1.12	1.52	20.25	3.20	1.21	1.19
17.70	3.07	1.12	1.51	20.30	3.20	1.21	1.19
17.75	3.07	1.12	1.49	20.35	3.20	1.21	1.19
17.80	3.07	1.12	1.48	20.40	3.20	1.22	1.18
17.85	3.08	1.12	1.46	20.45	3.21	1.22	1.18
17.90	3.08	1.13	1.44	20.50	3.21	1.22	1.17
17.95	3.08	1.13	1.43	20.55	3.21	1.22	1.17
18.00	3.08	1.13	1.41	20.60	3.21	1.22	1.17
18.05	3.09	1.13	1.40	20.65	3.22	1.22	1.17
18.10	3.09	1.13	1.38	20.70	3.22	1.22	1.16
18.15	3.09	1.14	1.37	20.75	3.22	1.23	1.16

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.23	1.15	23.40	3.33	1.30	0.94
20.85	3.23	1.23	1.15	23.45	3.33	1.31	0.94
20.90	3.23	1.23	1.14	23.50	3.33	1.31	0.94
20.95	3.23	1.23	1.14	23.55	3.33	1.31	0.93
21.00	3.23	1.23	1.13	23.60	3.34	1.31	0.93
21.05	3.23	1.24	1.13	23.65	3.34	1.31	0.92
21.10	3.24	1.24	1.13	23.70	3.34	1.31	0.92
21.15	3.24	1.24	1.12	23.75	3.34	1.31	0.92
21.20	3.24	1.24	1.12	23.80	3.34	1.31	0.91
21.25	3.24	1.24	1.12	23.85	3.34	1.32	0.91
21.30	3.24	1.24	1.11	23.90	3.35	1.32	0.90
21.35	3.25	1.25	1.11	23.95	3.35	1.32	0.90
21.40	3.25	1.25	1.11	24.00	3.35	1.32	0.94
21.45	3.25	1.25	1.10	24.05	3.35	1.32	0.97
21.50	3.25	1.25	1.10	24.10	3.35	1.32	0.82
21.55	3.26	1.25	1.09	24.15	3.35	1.32	0.51
21.60	3.26	1.25	1.09	24.20	3.35	1.32	0.26
21.65	3.26	1.25	1.08	24.25	3.35	1.32	0.13
21.70	3.26	1.26	1.08	24.30	3.35	1.32	0.06
21.75	3.26	1.26	1.08	24.35	3.35	1.32	0.03
21.80	3.27	1.26	1.07	24.40	3.35	1.32	0.01
21.85	3.27	1.26	1.07	24.45	3.35	1.32	0.01
21.90	3.27	1.26	1.07	24.50	3.35	1.32	0.00
21.95	3.27	1.26	1.06	24.55	3.35	1.32	0.00
22.00	3.27	1.27	1.06	24.60	3.35	1.32	0.00
22.05	3.28	1.27	1.05	24.65	3.35	1.32	0.00
22.10	3.28	1.27	1.05	24.70	3.35	1.32	0.00
22.15	3.28	1.27	1.04	24.75	3.35	1.32	0.00
22.20	3.28	1.27	1.04	24.80	3.35	1.32	0.00
22.25	3.28	1.27	1.04	24.85	3.35	1.32	0.00
22.30	3.29	1.27	1.04	24.90	3.35	1.32	0.00
22.35	3.29	1.28	1.03	24.95	3.35	1.32	0.00
22.40	3.29	1.28	1.03	25.00	3.35	1.32	0.00
22.45	3.29	1.28	1.02	25.05	3.35	1.32	0.00
22.50	3.29	1.28	1.02	25.10	3.35	1.32	0.00
22.55	3.30	1.28	1.01	25.15	3.35	1.32	0.00
22.60	3.30	1.28	1.01	25.20	3.35	1.32	0.00
22.65	3.30	1.28	1.01	25.25	3.35	1.32	0.00
22.70	3.30	1.29	1.00	25.30	3.35	1.32	0.00
22.75	3.30	1.29	1.00	25.35	3.35	1.32	0.00
22.80	3.31	1.29	0.99	25.40	3.35	1.32	0.00
22.85	3.31	1.29	0.99	25.45	3.35	1.32	0.00
22.90	3.31	1.29	0.98	25.50	3.35	1.32	0.00
22.95	3.31	1.29	0.98	25.55	3.35	1.32	0.00
23.00	3.31	1.29	0.98	25.60	3.35	1.32	0.00
23.05	3.32	1.29	0.98	25.65	3.35	1.32	0.00
23.10	3.32	1.30	0.97	25.70	3.35	1.32	0.00
23.15	3.32	1.30	0.97	25.75	3.35	1.32	0.00
23.20	3.32	1.30	0.96	25.80	3.35	1.32	0.00
23.25	3.32	1.30	0.96	25.85	3.35	1.32	0.00
23.30	3.32	1.30	0.95	25.90	3.35	1.32	0.00
23.35	3.33	1.30	0.95	25.95	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.32	0.00	28.60	3.35	1.32	0.00
26.05	3.35	1.32	0.00	28.65	3.35	1.32	0.00
26.10	3.35	1.32	0.00	28.70	3.35	1.32	0.00
26.15	3.35	1.32	0.00	28.75	3.35	1.32	0.00
26.20	3.35	1.32	0.00	28.80	3.35	1.32	0.00
26.25	3.35	1.32	0.00	28.85	3.35	1.32	0.00
26.30	3.35	1.32	0.00	28.90	3.35	1.32	0.00
26.35	3.35	1.32	0.00	28.95	3.35	1.32	0.00
26.40	3.35	1.32	0.00	29.00	3.35	1.32	0.00
26.45	3.35	1.32	0.00	29.05	3.35	1.32	0.00
26.50	3.35	1.32	0.00	29.10	3.35	1.32	0.00
26.55	3.35	1.32	0.00	29.15	3.35	1.32	0.00
26.60	3.35	1.32	0.00	29.20	3.35	1.32	0.00
26.65	3.35	1.32	0.00	29.25	3.35	1.32	0.00
26.70	3.35	1.32	0.00	29.30	3.35	1.32	0.00
26.75	3.35	1.32	0.00	29.35	3.35	1.32	0.00
26.80	3.35	1.32	0.00	29.40	3.35	1.32	0.00
26.85	3.35	1.32	0.00	29.45	3.35	1.32	0.00
26.90	3.35	1.32	0.00	29.50	3.35	1.32	0.00
26.95	3.35	1.32	0.00	29.55	3.35	1.32	0.00
27.00	3.35	1.32	0.00	29.60	3.35	1.32	0.00
27.05	3.35	1.32	0.00	29.65	3.35	1.32	0.00
27.10	3.35	1.32	0.00	29.70	3.35	1.32	0.00
27.15	3.35	1.32	0.00	29.75	3.35	1.32	0.00
27.20	3.35	1.32	0.00	29.80	3.35	1.32	0.00
27.25	3.35	1.32	0.00	29.85	3.35	1.32	0.00
27.30	3.35	1.32	0.00	29.90	3.35	1.32	0.00
27.35	3.35	1.32	0.00	29.95	3.35	1.32	0.00
27.40	3.35	1.32	0.00	30.00	3.35	1.32	0.00
27.45	3.35	1.32	0.00	30.05	3.35	1.32	0.00
27.50	3.35	1.32	0.00	30.10	3.35	1.32	0.00
27.55	3.35	1.32	0.00	30.15	3.35	1.32	0.00
27.60	3.35	1.32	0.00	30.20	3.35	1.32	0.00
27.65	3.35	1.32	0.00	30.25	3.35	1.32	0.00
27.70	3.35	1.32	0.00	30.30	3.35	1.32	0.00
27.75	3.35	1.32	0.00	30.35	3.35	1.32	0.00
27.80	3.35	1.32	0.00	30.40	3.35	1.32	0.00
27.85	3.35	1.32	0.00	30.45	3.35	1.32	0.00
27.90	3.35	1.32	0.00	30.50	3.35	1.32	0.00
27.95	3.35	1.32	0.00	30.55	3.35	1.32	0.00
28.00	3.35	1.32	0.00	30.60	3.35	1.32	0.00
28.05	3.35	1.32	0.00	30.65	3.35	1.32	0.00
28.10	3.35	1.32	0.00	30.70	3.35	1.32	0.00
28.15	3.35	1.32	0.00	30.75	3.35	1.32	0.00
28.20	3.35	1.32	0.00	30.80	3.35	1.32	0.00
28.25	3.35	1.32	0.00	30.85	3.35	1.32	0.00
28.30	3.35	1.32	0.00	30.90	3.35	1.32	0.00
28.35	3.35	1.32	0.00	30.95	3.35	1.32	0.00
28.40	3.35	1.32	0.00	31.00	3.35	1.32	0.00
28.45	3.35	1.32	0.00	31.05	3.35	1.32	0.00
28.50	3.35	1.32	0.00	31.10	3.35	1.32	0.00
28.55	3.35	1.32	0.00	31.15	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.32	0.00	33.80	3.35	1.32	0.00
31.25	3.35	1.32	0.00	33.85	3.35	1.32	0.00
31.30	3.35	1.32	0.00	33.90	3.35	1.32	0.00
31.35	3.35	1.32	0.00	33.95	3.35	1.32	0.00
31.40	3.35	1.32	0.00	34.00	3.35	1.32	0.00
31.45	3.35	1.32	0.00	34.05	3.35	1.32	0.00
31.50	3.35	1.32	0.00	34.10	3.35	1.32	0.00
31.55	3.35	1.32	0.00	34.15	3.35	1.32	0.00
31.60	3.35	1.32	0.00	34.20	3.35	1.32	0.00
31.65	3.35	1.32	0.00	34.25	3.35	1.32	0.00
31.70	3.35	1.32	0.00	34.30	3.35	1.32	0.00
31.75	3.35	1.32	0.00	34.35	3.35	1.32	0.00
31.80	3.35	1.32	0.00	34.40	3.35	1.32	0.00
31.85	3.35	1.32	0.00	34.45	3.35	1.32	0.00
31.90	3.35	1.32	0.00	34.50	3.35	1.32	0.00
31.95	3.35	1.32	0.00	34.55	3.35	1.32	0.00
32.00	3.35	1.32	0.00	34.60	3.35	1.32	0.00
32.05	3.35	1.32	0.00	34.65	3.35	1.32	0.00
32.10	3.35	1.32	0.00	34.70	3.35	1.32	0.00
32.15	3.35	1.32	0.00	34.75	3.35	1.32	0.00
32.20	3.35	1.32	0.00	34.80	3.35	1.32	0.00
32.25	3.35	1.32	0.00	34.85	3.35	1.32	0.00
32.30	3.35	1.32	0.00	34.90	3.35	1.32	0.00
32.35	3.35	1.32	0.00	34.95	3.35	1.32	0.00
32.40	3.35	1.32	0.00	35.00	3.35	1.32	0.00
32.45	3.35	1.32	0.00	35.05	3.35	1.32	0.00
32.50	3.35	1.32	0.00	35.10	3.35	1.32	0.00
32.55	3.35	1.32	0.00	35.15	3.35	1.32	0.00
32.60	3.35	1.32	0.00	35.20	3.35	1.32	0.00
32.65	3.35	1.32	0.00	35.25	3.35	1.32	0.00
32.70	3.35	1.32	0.00	35.30	3.35	1.32	0.00
32.75	3.35	1.32	0.00	35.35	3.35	1.32	0.00
32.80	3.35	1.32	0.00	35.40	3.35	1.32	0.00
32.85	3.35	1.32	0.00	35.45	3.35	1.32	0.00
32.90	3.35	1.32	0.00	35.50	3.35	1.32	0.00
32.95	3.35	1.32	0.00	35.55	3.35	1.32	0.00
33.00	3.35	1.32	0.00	35.60	3.35	1.32	0.00
33.05	3.35	1.32	0.00	35.65	3.35	1.32	0.00
33.10	3.35	1.32	0.00	35.70	3.35	1.32	0.00
33.15	3.35	1.32	0.00	35.75	3.35	1.32	0.00
33.20	3.35	1.32	0.00	35.80	3.35	1.32	0.00
33.25	3.35	1.32	0.00	35.85	3.35	1.32	0.00
33.30	3.35	1.32	0.00	35.90	3.35	1.32	0.00
33.35	3.35	1.32	0.00	35.95	3.35	1.32	0.00
33.40	3.35	1.32	0.00	36.00	3.35	1.32	0.00
33.45	3.35	1.32	0.00	36.05	3.35	1.32	0.00
33.50	3.35	1.32	0.00	36.10	3.35	1.32	0.00
33.55	3.35	1.32	0.00	36.15	3.35	1.32	0.00
33.60	3.35	1.32	0.00	36.20	3.35	1.32	0.00
33.65	3.35	1.32	0.00	36.25	3.35	1.32	0.00
33.70	3.35	1.32	0.00	36.30	3.35	1.32	0.00
33.75	3.35	1.32	0.00	36.35	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.32	0.00	39.00	3.35	1.32	0.00
36.45	3.35	1.32	0.00	39.05	3.35	1.32	0.00
36.50	3.35	1.32	0.00	39.10	3.35	1.32	0.00
36.55	3.35	1.32	0.00	39.15	3.35	1.32	0.00
36.60	3.35	1.32	0.00	39.20	3.35	1.32	0.00
36.65	3.35	1.32	0.00	39.25	3.35	1.32	0.00
36.70	3.35	1.32	0.00	39.30	3.35	1.32	0.00
36.75	3.35	1.32	0.00	39.35	3.35	1.32	0.00
36.80	3.35	1.32	0.00	39.40	3.35	1.32	0.00
36.85	3.35	1.32	0.00	39.45	3.35	1.32	0.00
36.90	3.35	1.32	0.00	39.50	3.35	1.32	0.00
36.95	3.35	1.32	0.00	39.55	3.35	1.32	0.00
37.00	3.35	1.32	0.00	39.60	3.35	1.32	0.00
37.05	3.35	1.32	0.00	39.65	3.35	1.32	0.00
37.10	3.35	1.32	0.00	39.70	3.35	1.32	0.00
37.15	3.35	1.32	0.00	39.75	3.35	1.32	0.00
37.20	3.35	1.32	0.00	39.80	3.35	1.32	0.00
37.25	3.35	1.32	0.00	39.85	3.35	1.32	0.00
37.30	3.35	1.32	0.00	39.90	3.35	1.32	0.00
37.35	3.35	1.32	0.00	39.95	3.35	1.32	0.00
37.40	3.35	1.32	0.00	40.00	3.35	1.32	0.00
37.45	3.35	1.32	0.00				
37.50	3.35	1.32	0.00				
37.55	3.35	1.32	0.00				
37.60	3.35	1.32	0.00				
37.65	3.35	1.32	0.00				
37.70	3.35	1.32	0.00				
37.75	3.35	1.32	0.00				
37.80	3.35	1.32	0.00				
37.85	3.35	1.32	0.00				
37.90	3.35	1.32	0.00				
37.95	3.35	1.32	0.00				
38.00	3.35	1.32	0.00				
38.05	3.35	1.32	0.00				
38.10	3.35	1.32	0.00				
38.15	3.35	1.32	0.00				
38.20	3.35	1.32	0.00				
38.25	3.35	1.32	0.00				
38.30	3.35	1.32	0.00				
38.35	3.35	1.32	0.00				
38.40	3.35	1.32	0.00				
38.45	3.35	1.32	0.00				
38.50	3.35	1.32	0.00				
38.55	3.35	1.32	0.00				
38.60	3.35	1.32	0.00				
38.65	3.35	1.32	0.00				
38.70	3.35	1.32	0.00				
38.75	3.35	1.32	0.00				
38.80	3.35	1.32	0.00				
38.85	3.35	1.32	0.00				
38.90	3.35	1.32	0.00				
38.95	3.35	1.32	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 40.75 cfs @ 12.09 hrs, Volume= 2.319 af, Depth= 1.26"
Routed to Link XDA-3 : Existing Drainage Area #3

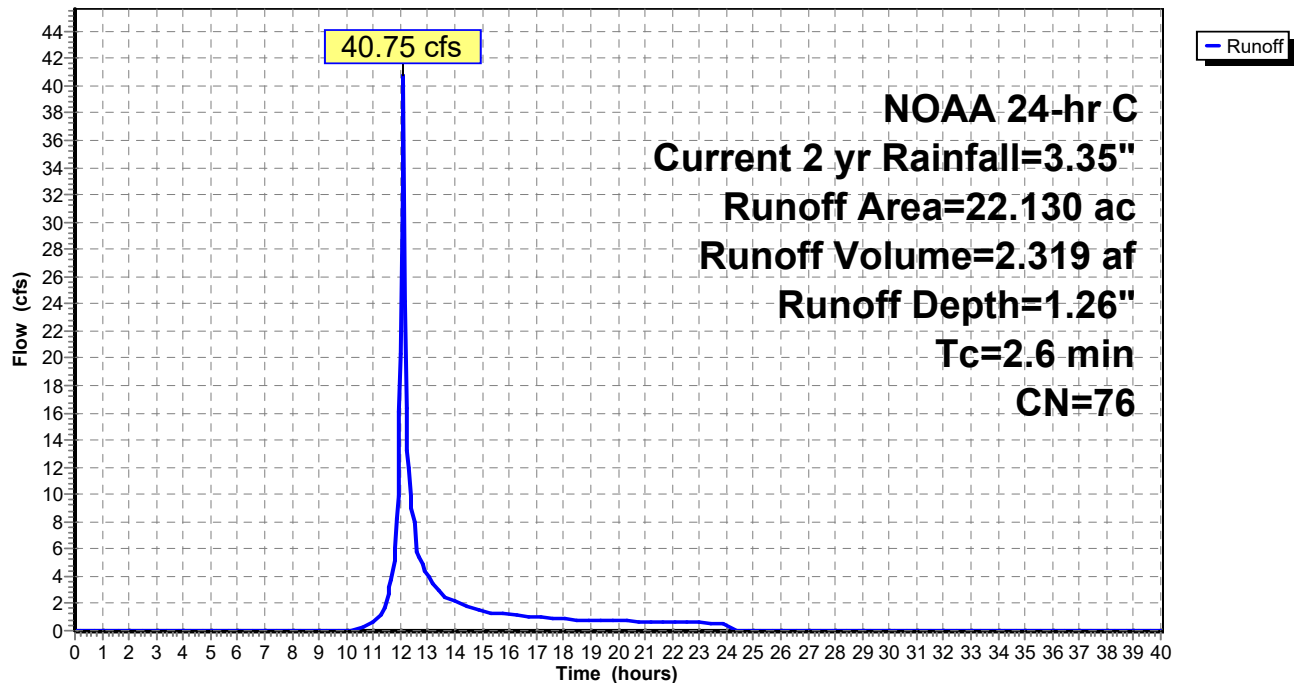
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.01
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.02
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.04
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.06

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.08	13.00	2.55	0.72	4.10
10.45	0.68	0.00	0.10	13.05	2.56	0.73	3.78
10.50	0.69	0.00	0.12	13.10	2.57	0.74	3.65
10.55	0.70	0.00	0.15	13.15	2.58	0.75	3.47
10.60	0.71	0.00	0.18	13.20	2.60	0.75	3.40
10.65	0.72	0.00	0.22	13.25	2.61	0.76	3.23
10.70	0.73	0.00	0.25	13.30	2.62	0.77	3.15
10.75	0.74	0.00	0.30	13.35	2.63	0.77	2.97
10.80	0.75	0.00	0.34	13.40	2.64	0.78	2.90
10.85	0.77	0.01	0.40	13.45	2.65	0.79	2.72
10.90	0.78	0.01	0.44	13.50	2.66	0.79	2.64
10.95	0.79	0.01	0.51	13.55	2.67	0.80	2.46
11.00	0.80	0.01	0.56	13.60	2.68	0.80	2.39
11.05	0.82	0.01	0.67	13.65	2.68	0.81	2.34
11.10	0.83	0.01	0.74	13.70	2.69	0.81	2.32
11.15	0.85	0.01	0.87	13.75	2.70	0.82	2.27
11.20	0.87	0.02	0.96	13.80	2.71	0.82	2.26
11.25	0.89	0.02	1.10	13.85	2.72	0.83	2.21
11.30	0.91	0.02	1.22	13.90	2.72	0.83	2.20
11.35	0.93	0.03	1.38	13.95	2.73	0.84	2.15
11.40	0.95	0.03	1.51	14.00	2.74	0.84	2.13
11.45	0.97	0.03	1.68	14.05	2.75	0.85	2.08
11.50	0.99	0.04	1.83	14.10	2.75	0.85	2.06
11.55	1.02	0.04	2.66	14.15	2.76	0.86	2.02
11.60	1.06	0.05	3.19	14.20	2.77	0.86	2.00
11.65	1.09	0.06	3.55	14.25	2.77	0.87	1.95
11.70	1.13	0.07	3.88	14.30	2.78	0.87	1.93
11.75	1.18	0.08	5.18	14.35	2.79	0.87	1.88
11.80	1.23	0.09	6.08	14.40	2.79	0.88	1.86
11.85	1.29	0.12	8.26	14.45	2.80	0.88	1.82
11.90	1.36	0.14	9.89	14.50	2.81	0.89	1.80
11.95	1.48	0.18	16.01	14.55	2.81	0.89	1.75
12.00	1.60	0.23	20.37	14.60	2.82	0.89	1.73
12.05	1.79	0.31	32.81	14.65	2.82	0.90	1.68
12.10	1.99	0.41	40.35	14.70	2.83	0.90	1.66
12.15	2.06	0.44	24.18	14.75	2.84	0.91	1.61
12.20	2.12	0.48	16.37	14.80	2.84	0.91	1.59
12.25	2.17	0.51	13.20	14.85	2.85	0.91	1.54
12.30	2.22	0.53	12.00	14.90	2.85	0.92	1.52
12.35	2.26	0.55	9.90	14.95	2.86	0.92	1.47
12.40	2.29	0.57	9.04	15.00	2.86	0.92	1.45
12.45	2.33	0.59	8.78	15.05	2.87	0.93	1.40
12.50	2.36	0.61	8.66	15.10	2.87	0.93	1.38
12.55	2.38	0.62	6.65	15.15	2.87	0.93	1.36
12.60	2.40	0.64	5.77	15.20	2.88	0.93	1.36
12.65	2.42	0.65	5.51	15.25	2.88	0.94	1.35
12.70	2.44	0.66	5.42	15.30	2.89	0.94	1.34
12.75	2.46	0.67	5.13	15.35	2.89	0.94	1.33
12.80	2.48	0.68	5.00	15.40	2.90	0.95	1.33
12.85	2.50	0.69	4.69	15.45	2.90	0.95	1.31
12.90	2.52	0.70	4.56	15.50	2.91	0.95	1.31
12.95	2.53	0.71	4.24	15.55	2.91	0.96	1.30

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.96	1.29	18.20	3.10	1.08	0.82
15.65	2.92	0.96	1.28	18.25	3.10	1.08	0.82
15.70	2.92	0.96	1.27	18.30	3.10	1.08	0.81
15.75	2.93	0.97	1.26	18.35	3.10	1.09	0.81
15.80	2.93	0.97	1.25	18.40	3.11	1.09	0.81
15.85	2.94	0.97	1.24	18.45	3.11	1.09	0.81
15.90	2.94	0.98	1.24	18.50	3.11	1.09	0.81
15.95	2.94	0.98	1.22	18.55	3.11	1.09	0.80
16.00	2.95	0.98	1.22	18.60	3.12	1.09	0.80
16.05	2.95	0.98	1.21	18.65	3.12	1.10	0.80
16.10	2.96	0.99	1.20	18.70	3.12	1.10	0.80
16.15	2.96	0.99	1.19	18.75	3.12	1.10	0.79
16.20	2.96	0.99	1.18	18.80	3.13	1.10	0.79
16.25	2.97	0.99	1.17	18.85	3.13	1.10	0.79
16.30	2.97	1.00	1.16	18.90	3.13	1.10	0.79
16.35	2.98	1.00	1.15	18.95	3.13	1.11	0.78
16.40	2.98	1.00	1.15	19.00	3.14	1.11	0.78
16.45	2.98	1.00	1.13	19.05	3.14	1.11	0.78
16.50	2.99	1.01	1.12	19.10	3.14	1.11	0.78
16.55	2.99	1.01	1.12	19.15	3.14	1.11	0.77
16.60	3.00	1.01	1.11	19.20	3.15	1.12	0.77
16.65	3.00	1.01	1.10	19.25	3.15	1.12	0.77
16.70	3.00	1.02	1.09	19.30	3.15	1.12	0.77
16.75	3.01	1.02	1.08	19.35	3.15	1.12	0.77
16.80	3.01	1.02	1.07	19.40	3.16	1.12	0.76
16.85	3.01	1.02	1.06	19.45	3.16	1.12	0.76
16.90	3.02	1.03	1.05	19.50	3.16	1.13	0.76
16.95	3.02	1.03	1.04	19.55	3.16	1.13	0.76
17.00	3.02	1.03	1.04	19.60	3.17	1.13	0.76
17.05	3.03	1.03	1.02	19.65	3.17	1.13	0.75
17.10	3.03	1.04	1.02	19.70	3.17	1.13	0.75
17.15	3.03	1.04	1.00	19.75	3.17	1.13	0.75
17.20	3.04	1.04	1.00	19.80	3.18	1.14	0.75
17.25	3.04	1.04	0.98	19.85	3.18	1.14	0.74
17.30	3.04	1.04	0.97	19.90	3.18	1.14	0.74
17.35	3.05	1.05	0.96	19.95	3.18	1.14	0.74
17.40	3.05	1.05	0.96	20.00	3.19	1.14	0.74
17.45	3.05	1.05	0.95	20.05	3.19	1.14	0.73
17.50	3.06	1.05	0.94	20.10	3.19	1.15	0.73
17.55	3.06	1.05	0.93	20.15	3.19	1.15	0.73
17.60	3.06	1.06	0.92	20.20	3.20	1.15	0.73
17.65	3.06	1.06	0.91	20.25	3.20	1.15	0.72
17.70	3.07	1.06	0.90	20.30	3.20	1.15	0.72
17.75	3.07	1.06	0.89	20.35	3.20	1.15	0.72
17.80	3.07	1.06	0.88	20.40	3.20	1.16	0.72
17.85	3.08	1.07	0.87	20.45	3.21	1.16	0.71
17.90	3.08	1.07	0.86	20.50	3.21	1.16	0.71
17.95	3.08	1.07	0.85	20.55	3.21	1.16	0.71
18.00	3.08	1.07	0.84	20.60	3.21	1.16	0.71
18.05	3.09	1.07	0.83	20.65	3.22	1.16	0.71
18.10	3.09	1.08	0.82	20.70	3.22	1.16	0.70
18.15	3.09	1.08	0.82	20.75	3.22	1.17	0.70

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.17	0.70	23.40	3.33	1.24	0.58
20.85	3.23	1.17	0.70	23.45	3.33	1.24	0.57
20.90	3.23	1.17	0.69	23.50	3.33	1.24	0.57
20.95	3.23	1.17	0.69	23.55	3.33	1.25	0.56
21.00	3.23	1.17	0.69	23.60	3.34	1.25	0.56
21.05	3.23	1.18	0.69	23.65	3.34	1.25	0.56
21.10	3.24	1.18	0.68	23.70	3.34	1.25	0.56
21.15	3.24	1.18	0.68	23.75	3.34	1.25	0.56
21.20	3.24	1.18	0.68	23.80	3.34	1.25	0.55
21.25	3.24	1.18	0.68	23.85	3.34	1.25	0.55
21.30	3.24	1.18	0.68	23.90	3.35	1.25	0.55
21.35	3.25	1.18	0.67	23.95	3.35	1.26	0.64
21.40	3.25	1.19	0.67	24.00	3.35	1.26	0.66
21.45	3.25	1.19	0.67	24.05	3.35	1.26	0.21
21.50	3.25	1.19	0.67	24.10	3.35	1.26	0.01
21.55	3.26	1.19	0.66	24.15	3.35	1.26	0.00
21.60	3.26	1.19	0.66	24.20	3.35	1.26	0.00
21.65	3.26	1.19	0.66	24.25	3.35	1.26	0.00
21.70	3.26	1.20	0.66	24.30	3.35	1.26	0.00
21.75	3.26	1.20	0.66	24.35	3.35	1.26	0.00
21.80	3.27	1.20	0.66	24.40	3.35	1.26	0.00
21.85	3.27	1.20	0.65	24.45	3.35	1.26	0.00
21.90	3.27	1.20	0.65	24.50	3.35	1.26	0.00
21.95	3.27	1.20	0.64	24.55	3.35	1.26	0.00
22.00	3.27	1.20	0.64	24.60	3.35	1.26	0.00
22.05	3.28	1.21	0.64	24.65	3.35	1.26	0.00
22.10	3.28	1.21	0.64	24.70	3.35	1.26	0.00
22.15	3.28	1.21	0.64	24.75	3.35	1.26	0.00
22.20	3.28	1.21	0.64	24.80	3.35	1.26	0.00
22.25	3.28	1.21	0.63	24.85	3.35	1.26	0.00
22.30	3.29	1.21	0.63	24.90	3.35	1.26	0.00
22.35	3.29	1.21	0.62	24.95	3.35	1.26	0.00
22.40	3.29	1.22	0.62	25.00	3.35	1.26	0.00
22.45	3.29	1.22	0.62	25.05	3.35	1.26	0.00
22.50	3.29	1.22	0.62	25.10	3.35	1.26	0.00
22.55	3.30	1.22	0.62	25.15	3.35	1.26	0.00
22.60	3.30	1.22	0.62	25.20	3.35	1.26	0.00
22.65	3.30	1.22	0.61	25.25	3.35	1.26	0.00
22.70	3.30	1.22	0.61	25.30	3.35	1.26	0.00
22.75	3.30	1.22	0.60	25.35	3.35	1.26	0.00
22.80	3.31	1.23	0.60	25.40	3.35	1.26	0.00
22.85	3.31	1.23	0.60	25.45	3.35	1.26	0.00
22.90	3.31	1.23	0.60	25.50	3.35	1.26	0.00
22.95	3.31	1.23	0.60	25.55	3.35	1.26	0.00
23.00	3.31	1.23	0.60	25.60	3.35	1.26	0.00
23.05	3.32	1.23	0.59	25.65	3.35	1.26	0.00
23.10	3.32	1.23	0.59	25.70	3.35	1.26	0.00
23.15	3.32	1.24	0.58	25.75	3.35	1.26	0.00
23.20	3.32	1.24	0.58	25.80	3.35	1.26	0.00
23.25	3.32	1.24	0.58	25.85	3.35	1.26	0.00
23.30	3.32	1.24	0.58	25.90	3.35	1.26	0.00
23.35	3.33	1.24	0.58	25.95	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.26	0.00	28.60	3.35	1.26	0.00
26.05	3.35	1.26	0.00	28.65	3.35	1.26	0.00
26.10	3.35	1.26	0.00	28.70	3.35	1.26	0.00
26.15	3.35	1.26	0.00	28.75	3.35	1.26	0.00
26.20	3.35	1.26	0.00	28.80	3.35	1.26	0.00
26.25	3.35	1.26	0.00	28.85	3.35	1.26	0.00
26.30	3.35	1.26	0.00	28.90	3.35	1.26	0.00
26.35	3.35	1.26	0.00	28.95	3.35	1.26	0.00
26.40	3.35	1.26	0.00	29.00	3.35	1.26	0.00
26.45	3.35	1.26	0.00	29.05	3.35	1.26	0.00
26.50	3.35	1.26	0.00	29.10	3.35	1.26	0.00
26.55	3.35	1.26	0.00	29.15	3.35	1.26	0.00
26.60	3.35	1.26	0.00	29.20	3.35	1.26	0.00
26.65	3.35	1.26	0.00	29.25	3.35	1.26	0.00
26.70	3.35	1.26	0.00	29.30	3.35	1.26	0.00
26.75	3.35	1.26	0.00	29.35	3.35	1.26	0.00
26.80	3.35	1.26	0.00	29.40	3.35	1.26	0.00
26.85	3.35	1.26	0.00	29.45	3.35	1.26	0.00
26.90	3.35	1.26	0.00	29.50	3.35	1.26	0.00
26.95	3.35	1.26	0.00	29.55	3.35	1.26	0.00
27.00	3.35	1.26	0.00	29.60	3.35	1.26	0.00
27.05	3.35	1.26	0.00	29.65	3.35	1.26	0.00
27.10	3.35	1.26	0.00	29.70	3.35	1.26	0.00
27.15	3.35	1.26	0.00	29.75	3.35	1.26	0.00
27.20	3.35	1.26	0.00	29.80	3.35	1.26	0.00
27.25	3.35	1.26	0.00	29.85	3.35	1.26	0.00
27.30	3.35	1.26	0.00	29.90	3.35	1.26	0.00
27.35	3.35	1.26	0.00	29.95	3.35	1.26	0.00
27.40	3.35	1.26	0.00	30.00	3.35	1.26	0.00
27.45	3.35	1.26	0.00	30.05	3.35	1.26	0.00
27.50	3.35	1.26	0.00	30.10	3.35	1.26	0.00
27.55	3.35	1.26	0.00	30.15	3.35	1.26	0.00
27.60	3.35	1.26	0.00	30.20	3.35	1.26	0.00
27.65	3.35	1.26	0.00	30.25	3.35	1.26	0.00
27.70	3.35	1.26	0.00	30.30	3.35	1.26	0.00
27.75	3.35	1.26	0.00	30.35	3.35	1.26	0.00
27.80	3.35	1.26	0.00	30.40	3.35	1.26	0.00
27.85	3.35	1.26	0.00	30.45	3.35	1.26	0.00
27.90	3.35	1.26	0.00	30.50	3.35	1.26	0.00
27.95	3.35	1.26	0.00	30.55	3.35	1.26	0.00
28.00	3.35	1.26	0.00	30.60	3.35	1.26	0.00
28.05	3.35	1.26	0.00	30.65	3.35	1.26	0.00
28.10	3.35	1.26	0.00	30.70	3.35	1.26	0.00
28.15	3.35	1.26	0.00	30.75	3.35	1.26	0.00
28.20	3.35	1.26	0.00	30.80	3.35	1.26	0.00
28.25	3.35	1.26	0.00	30.85	3.35	1.26	0.00
28.30	3.35	1.26	0.00	30.90	3.35	1.26	0.00
28.35	3.35	1.26	0.00	30.95	3.35	1.26	0.00
28.40	3.35	1.26	0.00	31.00	3.35	1.26	0.00
28.45	3.35	1.26	0.00	31.05	3.35	1.26	0.00
28.50	3.35	1.26	0.00	31.10	3.35	1.26	0.00
28.55	3.35	1.26	0.00	31.15	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.26	0.00	33.80	3.35	1.26	0.00
31.25	3.35	1.26	0.00	33.85	3.35	1.26	0.00
31.30	3.35	1.26	0.00	33.90	3.35	1.26	0.00
31.35	3.35	1.26	0.00	33.95	3.35	1.26	0.00
31.40	3.35	1.26	0.00	34.00	3.35	1.26	0.00
31.45	3.35	1.26	0.00	34.05	3.35	1.26	0.00
31.50	3.35	1.26	0.00	34.10	3.35	1.26	0.00
31.55	3.35	1.26	0.00	34.15	3.35	1.26	0.00
31.60	3.35	1.26	0.00	34.20	3.35	1.26	0.00
31.65	3.35	1.26	0.00	34.25	3.35	1.26	0.00
31.70	3.35	1.26	0.00	34.30	3.35	1.26	0.00
31.75	3.35	1.26	0.00	34.35	3.35	1.26	0.00
31.80	3.35	1.26	0.00	34.40	3.35	1.26	0.00
31.85	3.35	1.26	0.00	34.45	3.35	1.26	0.00
31.90	3.35	1.26	0.00	34.50	3.35	1.26	0.00
31.95	3.35	1.26	0.00	34.55	3.35	1.26	0.00
32.00	3.35	1.26	0.00	34.60	3.35	1.26	0.00
32.05	3.35	1.26	0.00	34.65	3.35	1.26	0.00
32.10	3.35	1.26	0.00	34.70	3.35	1.26	0.00
32.15	3.35	1.26	0.00	34.75	3.35	1.26	0.00
32.20	3.35	1.26	0.00	34.80	3.35	1.26	0.00
32.25	3.35	1.26	0.00	34.85	3.35	1.26	0.00
32.30	3.35	1.26	0.00	34.90	3.35	1.26	0.00
32.35	3.35	1.26	0.00	34.95	3.35	1.26	0.00
32.40	3.35	1.26	0.00	35.00	3.35	1.26	0.00
32.45	3.35	1.26	0.00	35.05	3.35	1.26	0.00
32.50	3.35	1.26	0.00	35.10	3.35	1.26	0.00
32.55	3.35	1.26	0.00	35.15	3.35	1.26	0.00
32.60	3.35	1.26	0.00	35.20	3.35	1.26	0.00
32.65	3.35	1.26	0.00	35.25	3.35	1.26	0.00
32.70	3.35	1.26	0.00	35.30	3.35	1.26	0.00
32.75	3.35	1.26	0.00	35.35	3.35	1.26	0.00
32.80	3.35	1.26	0.00	35.40	3.35	1.26	0.00
32.85	3.35	1.26	0.00	35.45	3.35	1.26	0.00
32.90	3.35	1.26	0.00	35.50	3.35	1.26	0.00
32.95	3.35	1.26	0.00	35.55	3.35	1.26	0.00
33.00	3.35	1.26	0.00	35.60	3.35	1.26	0.00
33.05	3.35	1.26	0.00	35.65	3.35	1.26	0.00
33.10	3.35	1.26	0.00	35.70	3.35	1.26	0.00
33.15	3.35	1.26	0.00	35.75	3.35	1.26	0.00
33.20	3.35	1.26	0.00	35.80	3.35	1.26	0.00
33.25	3.35	1.26	0.00	35.85	3.35	1.26	0.00
33.30	3.35	1.26	0.00	35.90	3.35	1.26	0.00
33.35	3.35	1.26	0.00	35.95	3.35	1.26	0.00
33.40	3.35	1.26	0.00	36.00	3.35	1.26	0.00
33.45	3.35	1.26	0.00	36.05	3.35	1.26	0.00
33.50	3.35	1.26	0.00	36.10	3.35	1.26	0.00
33.55	3.35	1.26	0.00	36.15	3.35	1.26	0.00
33.60	3.35	1.26	0.00	36.20	3.35	1.26	0.00
33.65	3.35	1.26	0.00	36.25	3.35	1.26	0.00
33.70	3.35	1.26	0.00	36.30	3.35	1.26	0.00
33.75	3.35	1.26	0.00	36.35	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.26	0.00	39.00	3.35	1.26	0.00
36.45	3.35	1.26	0.00	39.05	3.35	1.26	0.00
36.50	3.35	1.26	0.00	39.10	3.35	1.26	0.00
36.55	3.35	1.26	0.00	39.15	3.35	1.26	0.00
36.60	3.35	1.26	0.00	39.20	3.35	1.26	0.00
36.65	3.35	1.26	0.00	39.25	3.35	1.26	0.00
36.70	3.35	1.26	0.00	39.30	3.35	1.26	0.00
36.75	3.35	1.26	0.00	39.35	3.35	1.26	0.00
36.80	3.35	1.26	0.00	39.40	3.35	1.26	0.00
36.85	3.35	1.26	0.00	39.45	3.35	1.26	0.00
36.90	3.35	1.26	0.00	39.50	3.35	1.26	0.00
36.95	3.35	1.26	0.00	39.55	3.35	1.26	0.00
37.00	3.35	1.26	0.00	39.60	3.35	1.26	0.00
37.05	3.35	1.26	0.00	39.65	3.35	1.26	0.00
37.10	3.35	1.26	0.00	39.70	3.35	1.26	0.00
37.15	3.35	1.26	0.00	39.75	3.35	1.26	0.00
37.20	3.35	1.26	0.00	39.80	3.35	1.26	0.00
37.25	3.35	1.26	0.00	39.85	3.35	1.26	0.00
37.30	3.35	1.26	0.00	39.90	3.35	1.26	0.00
37.35	3.35	1.26	0.00	39.95	3.35	1.26	0.00
37.40	3.35	1.26	0.00	40.00	3.35	1.26	0.00
37.45	3.35	1.26	0.00				
37.50	3.35	1.26	0.00				
37.55	3.35	1.26	0.00				
37.60	3.35	1.26	0.00				
37.65	3.35	1.26	0.00				
37.70	3.35	1.26	0.00				
37.75	3.35	1.26	0.00				
37.80	3.35	1.26	0.00				
37.85	3.35	1.26	0.00				
37.90	3.35	1.26	0.00				
37.95	3.35	1.26	0.00				
38.00	3.35	1.26	0.00				
38.05	3.35	1.26	0.00				
38.10	3.35	1.26	0.00				
38.15	3.35	1.26	0.00				
38.20	3.35	1.26	0.00				
38.25	3.35	1.26	0.00				
38.30	3.35	1.26	0.00				
38.35	3.35	1.26	0.00				
38.40	3.35	1.26	0.00				
38.45	3.35	1.26	0.00				
38.50	3.35	1.26	0.00				
38.55	3.35	1.26	0.00				
38.60	3.35	1.26	0.00				
38.65	3.35	1.26	0.00				
38.70	3.35	1.26	0.00				
38.75	3.35	1.26	0.00				
38.80	3.35	1.26	0.00				
38.85	3.35	1.26	0.00				
38.90	3.35	1.26	0.00				
38.95	3.35	1.26	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 23.00 cfs @ 12.19 hrs, Volume= 1.931 af, Depth= 0.77"
Routed to Link XDA-4 : Existing Drainage Area #4

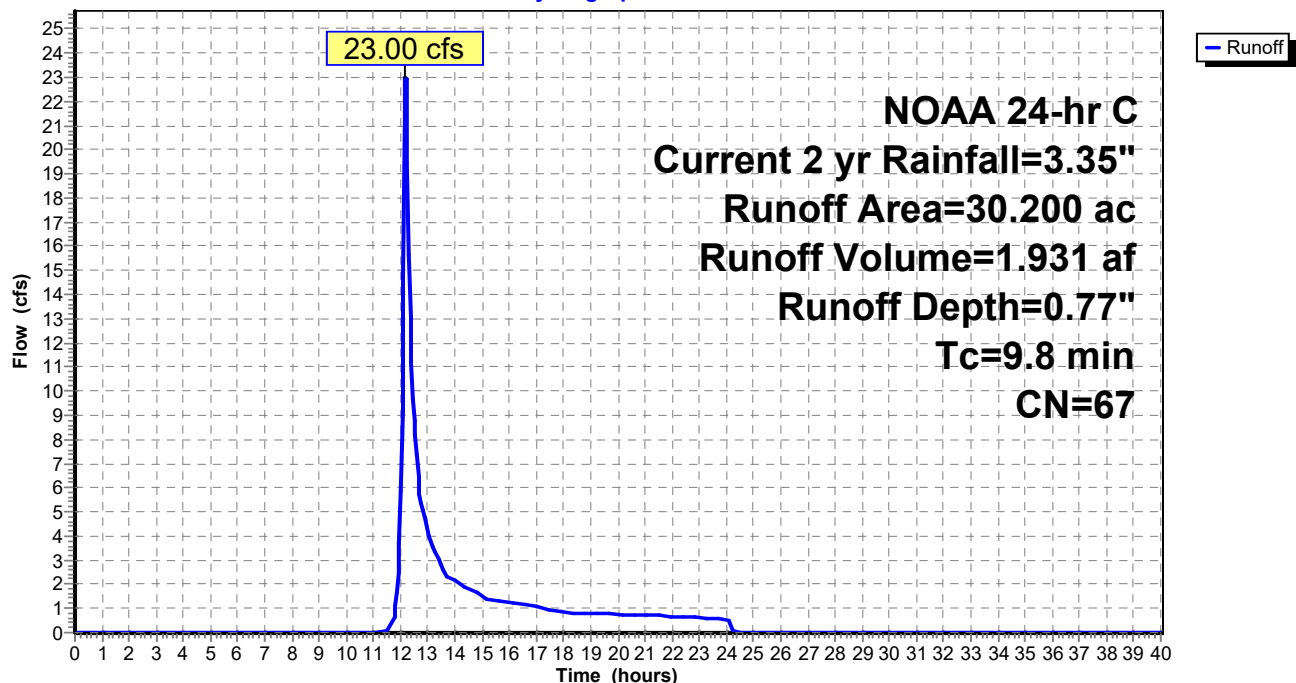
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.38	4.27
10.45	0.68	0.00	0.00	13.05	2.56	0.38	4.07
10.50	0.69	0.00	0.00	13.10	2.57	0.39	3.86
10.55	0.70	0.00	0.00	13.15	2.58	0.39	3.67
10.60	0.71	0.00	0.00	13.20	2.60	0.40	3.50
10.65	0.72	0.00	0.00	13.25	2.61	0.40	3.36
10.70	0.73	0.00	0.00	13.30	2.62	0.41	3.24
10.75	0.74	0.00	0.00	13.35	2.63	0.41	3.12
10.80	0.75	0.00	0.00	13.40	2.64	0.42	3.01
10.85	0.77	0.00	0.00	13.45	2.65	0.42	2.89
10.90	0.78	0.00	0.00	13.50	2.66	0.42	2.77
10.95	0.79	0.00	0.00	13.55	2.67	0.43	2.66
11.00	0.80	0.00	0.00	13.60	2.68	0.43	2.54
11.05	0.82	0.00	0.00	13.65	2.68	0.44	2.42
11.10	0.83	0.00	0.00	13.70	2.69	0.44	2.34
11.15	0.85	0.00	0.00	13.75	2.70	0.44	2.29
11.20	0.87	0.00	0.00	13.80	2.71	0.45	2.25
11.25	0.89	0.00	0.00	13.85	2.72	0.45	2.21
11.30	0.91	0.00	0.00	13.90	2.72	0.45	2.18
11.35	0.93	0.00	0.00	13.95	2.73	0.46	2.16
11.40	0.95	0.00	0.00	14.00	2.74	0.46	2.13
11.45	0.97	0.00	0.00	14.05	2.75	0.46	2.10
11.50	0.99	0.00	0.00	14.10	2.75	0.47	2.07
11.55	1.02	0.00	0.00	14.15	2.76	0.47	2.04
11.60	1.06	0.00	0.05	14.20	2.77	0.47	2.01
11.65	1.09	0.00	0.18	14.25	2.77	0.48	1.98
11.70	1.13	0.00	0.39	14.30	2.78	0.48	1.95
11.75	1.18	0.01	0.66	14.35	2.79	0.48	1.92
11.80	1.23	0.01	1.07	14.40	2.79	0.49	1.89
11.85	1.29	0.02	1.64	14.45	2.80	0.49	1.86
11.90	1.36	0.03	2.47	14.50	2.81	0.49	1.82
11.95	1.48	0.05	3.70	14.55	2.81	0.49	1.79
12.00	1.60	0.07	5.84	14.60	2.82	0.50	1.76
12.05	1.79	0.11	9.21	14.65	2.82	0.50	1.73
12.10	1.99	0.17	14.79	14.70	2.83	0.50	1.70
12.15	2.06	0.19	21.30	14.75	2.84	0.51	1.66
12.20	2.12	0.21	22.91	14.80	2.84	0.51	1.63
12.25	2.17	0.23	19.47	14.85	2.85	0.51	1.60
12.30	2.22	0.25	15.67	14.90	2.85	0.51	1.57
12.35	2.26	0.26	13.08	14.95	2.86	0.51	1.53
12.40	2.29	0.27	11.15	15.00	2.86	0.52	1.50
12.45	2.33	0.29	9.68	15.05	2.87	0.52	1.46
12.50	2.36	0.30	8.77	15.10	2.87	0.52	1.43
12.55	2.38	0.31	8.22	15.15	2.87	0.52	1.40
12.60	2.40	0.32	7.43	15.20	2.88	0.53	1.38
12.65	2.42	0.33	6.45	15.25	2.88	0.53	1.36
12.70	2.44	0.33	5.75	15.30	2.89	0.53	1.35
12.75	2.46	0.34	5.36	15.35	2.89	0.53	1.34
12.80	2.48	0.35	5.09	15.40	2.90	0.53	1.33
12.85	2.50	0.36	4.86	15.45	2.90	0.54	1.32
12.90	2.52	0.36	4.66	15.50	2.91	0.54	1.32
12.95	2.53	0.37	4.47	15.55	2.91	0.54	1.31

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.54	1.30	18.20	3.10	0.63	0.84
15.65	2.92	0.55	1.29	18.25	3.10	0.63	0.84
15.70	2.92	0.55	1.28	18.30	3.10	0.64	0.83
15.75	2.93	0.55	1.28	18.35	3.10	0.64	0.83
15.80	2.93	0.55	1.27	18.40	3.11	0.64	0.83
15.85	2.94	0.55	1.26	18.45	3.11	0.64	0.83
15.90	2.94	0.56	1.25	18.50	3.11	0.64	0.82
15.95	2.94	0.56	1.24	18.55	3.11	0.64	0.82
16.00	2.95	0.56	1.24	18.60	3.12	0.64	0.82
16.05	2.95	0.56	1.23	18.65	3.12	0.65	0.82
16.10	2.96	0.56	1.22	18.70	3.12	0.65	0.82
16.15	2.96	0.57	1.21	18.75	3.12	0.65	0.81
16.20	2.96	0.57	1.20	18.80	3.13	0.65	0.81
16.25	2.97	0.57	1.19	18.85	3.13	0.65	0.81
16.30	2.97	0.57	1.19	18.90	3.13	0.65	0.81
16.35	2.98	0.57	1.17	18.95	3.13	0.65	0.81
16.40	2.98	0.58	1.17	19.00	3.14	0.65	0.80
16.45	2.98	0.58	1.16	19.05	3.14	0.66	0.80
16.50	2.99	0.58	1.15	19.10	3.14	0.66	0.80
16.55	2.99	0.58	1.14	19.15	3.14	0.66	0.80
16.60	3.00	0.58	1.13	19.20	3.15	0.66	0.79
16.65	3.00	0.58	1.12	19.25	3.15	0.66	0.79
16.70	3.00	0.59	1.12	19.30	3.15	0.66	0.79
16.75	3.01	0.59	1.11	19.35	3.15	0.66	0.79
16.80	3.01	0.59	1.10	19.40	3.16	0.66	0.79
16.85	3.01	0.59	1.09	19.45	3.16	0.67	0.78
16.90	3.02	0.59	1.08	19.50	3.16	0.67	0.78
16.95	3.02	0.59	1.07	19.55	3.16	0.67	0.78
17.00	3.02	0.60	1.06	19.60	3.17	0.67	0.78
17.05	3.03	0.60	1.05	19.65	3.17	0.67	0.78
17.10	3.03	0.60	1.04	19.70	3.17	0.67	0.77
17.15	3.03	0.60	1.04	19.75	3.17	0.67	0.77
17.20	3.04	0.60	1.03	19.80	3.18	0.67	0.77
17.25	3.04	0.60	1.02	19.85	3.18	0.68	0.77
17.30	3.04	0.61	1.01	19.90	3.18	0.68	0.77
17.35	3.05	0.61	1.00	19.95	3.18	0.68	0.76
17.40	3.05	0.61	0.99	20.00	3.19	0.68	0.76
17.45	3.05	0.61	0.98	20.05	3.19	0.68	0.76
17.50	3.06	0.61	0.97	20.10	3.19	0.68	0.76
17.55	3.06	0.61	0.96	20.15	3.19	0.68	0.75
17.60	3.06	0.62	0.95	20.20	3.20	0.68	0.75
17.65	3.06	0.62	0.94	20.25	3.20	0.69	0.75
17.70	3.07	0.62	0.93	20.30	3.20	0.69	0.75
17.75	3.07	0.62	0.92	20.35	3.20	0.69	0.75
17.80	3.07	0.62	0.91	20.40	3.20	0.69	0.74
17.85	3.08	0.62	0.90	20.45	3.21	0.69	0.74
17.90	3.08	0.62	0.89	20.50	3.21	0.69	0.74
17.95	3.08	0.63	0.88	20.55	3.21	0.69	0.74
18.00	3.08	0.63	0.87	20.60	3.21	0.69	0.74
18.05	3.09	0.63	0.87	20.65	3.22	0.70	0.73
18.10	3.09	0.63	0.86	20.70	3.22	0.70	0.73
18.15	3.09	0.63	0.85	20.75	3.22	0.70	0.73

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.70	0.73	23.40	3.33	0.76	0.60
20.85	3.23	0.70	0.72	23.45	3.33	0.76	0.60
20.90	3.23	0.70	0.72	23.50	3.33	0.76	0.60
20.95	3.23	0.70	0.72	23.55	3.33	0.76	0.60
21.00	3.23	0.70	0.72	23.60	3.34	0.76	0.59
21.05	3.23	0.70	0.71	23.65	3.34	0.76	0.59
21.10	3.24	0.71	0.71	23.70	3.34	0.76	0.59
21.15	3.24	0.71	0.71	23.75	3.34	0.76	0.59
21.20	3.24	0.71	0.71	23.80	3.34	0.76	0.58
21.25	3.24	0.71	0.70	23.85	3.34	0.76	0.58
21.30	3.24	0.71	0.70	23.90	3.35	0.76	0.58
21.35	3.25	0.71	0.70	23.95	3.35	0.77	0.58
21.40	3.25	0.71	0.70	24.00	3.35	0.77	0.61
21.45	3.25	0.71	0.70	24.05	3.35	0.77	0.63
21.50	3.25	0.72	0.69	24.10	3.35	0.77	0.51
21.55	3.26	0.72	0.69	24.15	3.35	0.77	0.29
21.60	3.26	0.72	0.69	24.20	3.35	0.77	0.14
21.65	3.26	0.72	0.69	24.25	3.35	0.77	0.07
21.70	3.26	0.72	0.68	24.30	3.35	0.77	0.03
21.75	3.26	0.72	0.68	24.35	3.35	0.77	0.01
21.80	3.27	0.72	0.68	24.40	3.35	0.77	0.01
21.85	3.27	0.72	0.68	24.45	3.35	0.77	0.00
21.90	3.27	0.72	0.68	24.50	3.35	0.77	0.00
21.95	3.27	0.73	0.67	24.55	3.35	0.77	0.00
22.00	3.27	0.73	0.67	24.60	3.35	0.77	0.00
22.05	3.28	0.73	0.67	24.65	3.35	0.77	0.00
22.10	3.28	0.73	0.66	24.70	3.35	0.77	0.00
22.15	3.28	0.73	0.66	24.75	3.35	0.77	0.00
22.20	3.28	0.73	0.66	24.80	3.35	0.77	0.00
22.25	3.28	0.73	0.66	24.85	3.35	0.77	0.00
22.30	3.29	0.73	0.66	24.90	3.35	0.77	0.00
22.35	3.29	0.73	0.65	24.95	3.35	0.77	0.00
22.40	3.29	0.73	0.65	25.00	3.35	0.77	0.00
22.45	3.29	0.74	0.65	25.05	3.35	0.77	0.00
22.50	3.29	0.74	0.65	25.10	3.35	0.77	0.00
22.55	3.30	0.74	0.64	25.15	3.35	0.77	0.00
22.60	3.30	0.74	0.64	25.20	3.35	0.77	0.00
22.65	3.30	0.74	0.64	25.25	3.35	0.77	0.00
22.70	3.30	0.74	0.64	25.30	3.35	0.77	0.00
22.75	3.30	0.74	0.63	25.35	3.35	0.77	0.00
22.80	3.31	0.74	0.63	25.40	3.35	0.77	0.00
22.85	3.31	0.74	0.63	25.45	3.35	0.77	0.00
22.90	3.31	0.75	0.63	25.50	3.35	0.77	0.00
22.95	3.31	0.75	0.62	25.55	3.35	0.77	0.00
23.00	3.31	0.75	0.62	25.60	3.35	0.77	0.00
23.05	3.32	0.75	0.62	25.65	3.35	0.77	0.00
23.10	3.32	0.75	0.62	25.70	3.35	0.77	0.00
23.15	3.32	0.75	0.61	25.75	3.35	0.77	0.00
23.20	3.32	0.75	0.61	25.80	3.35	0.77	0.00
23.25	3.32	0.75	0.61	25.85	3.35	0.77	0.00
23.30	3.32	0.75	0.61	25.90	3.35	0.77	0.00
23.35	3.33	0.75	0.60	25.95	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.77	0.00	28.60	3.35	0.77	0.00
26.05	3.35	0.77	0.00	28.65	3.35	0.77	0.00
26.10	3.35	0.77	0.00	28.70	3.35	0.77	0.00
26.15	3.35	0.77	0.00	28.75	3.35	0.77	0.00
26.20	3.35	0.77	0.00	28.80	3.35	0.77	0.00
26.25	3.35	0.77	0.00	28.85	3.35	0.77	0.00
26.30	3.35	0.77	0.00	28.90	3.35	0.77	0.00
26.35	3.35	0.77	0.00	28.95	3.35	0.77	0.00
26.40	3.35	0.77	0.00	29.00	3.35	0.77	0.00
26.45	3.35	0.77	0.00	29.05	3.35	0.77	0.00
26.50	3.35	0.77	0.00	29.10	3.35	0.77	0.00
26.55	3.35	0.77	0.00	29.15	3.35	0.77	0.00
26.60	3.35	0.77	0.00	29.20	3.35	0.77	0.00
26.65	3.35	0.77	0.00	29.25	3.35	0.77	0.00
26.70	3.35	0.77	0.00	29.30	3.35	0.77	0.00
26.75	3.35	0.77	0.00	29.35	3.35	0.77	0.00
26.80	3.35	0.77	0.00	29.40	3.35	0.77	0.00
26.85	3.35	0.77	0.00	29.45	3.35	0.77	0.00
26.90	3.35	0.77	0.00	29.50	3.35	0.77	0.00
26.95	3.35	0.77	0.00	29.55	3.35	0.77	0.00
27.00	3.35	0.77	0.00	29.60	3.35	0.77	0.00
27.05	3.35	0.77	0.00	29.65	3.35	0.77	0.00
27.10	3.35	0.77	0.00	29.70	3.35	0.77	0.00
27.15	3.35	0.77	0.00	29.75	3.35	0.77	0.00
27.20	3.35	0.77	0.00	29.80	3.35	0.77	0.00
27.25	3.35	0.77	0.00	29.85	3.35	0.77	0.00
27.30	3.35	0.77	0.00	29.90	3.35	0.77	0.00
27.35	3.35	0.77	0.00	29.95	3.35	0.77	0.00
27.40	3.35	0.77	0.00	30.00	3.35	0.77	0.00
27.45	3.35	0.77	0.00	30.05	3.35	0.77	0.00
27.50	3.35	0.77	0.00	30.10	3.35	0.77	0.00
27.55	3.35	0.77	0.00	30.15	3.35	0.77	0.00
27.60	3.35	0.77	0.00	30.20	3.35	0.77	0.00
27.65	3.35	0.77	0.00	30.25	3.35	0.77	0.00
27.70	3.35	0.77	0.00	30.30	3.35	0.77	0.00
27.75	3.35	0.77	0.00	30.35	3.35	0.77	0.00
27.80	3.35	0.77	0.00	30.40	3.35	0.77	0.00
27.85	3.35	0.77	0.00	30.45	3.35	0.77	0.00
27.90	3.35	0.77	0.00	30.50	3.35	0.77	0.00
27.95	3.35	0.77	0.00	30.55	3.35	0.77	0.00
28.00	3.35	0.77	0.00	30.60	3.35	0.77	0.00
28.05	3.35	0.77	0.00	30.65	3.35	0.77	0.00
28.10	3.35	0.77	0.00	30.70	3.35	0.77	0.00
28.15	3.35	0.77	0.00	30.75	3.35	0.77	0.00
28.20	3.35	0.77	0.00	30.80	3.35	0.77	0.00
28.25	3.35	0.77	0.00	30.85	3.35	0.77	0.00
28.30	3.35	0.77	0.00	30.90	3.35	0.77	0.00
28.35	3.35	0.77	0.00	30.95	3.35	0.77	0.00
28.40	3.35	0.77	0.00	31.00	3.35	0.77	0.00
28.45	3.35	0.77	0.00	31.05	3.35	0.77	0.00
28.50	3.35	0.77	0.00	31.10	3.35	0.77	0.00
28.55	3.35	0.77	0.00	31.15	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.77	0.00	33.80	3.35	0.77	0.00
31.25	3.35	0.77	0.00	33.85	3.35	0.77	0.00
31.30	3.35	0.77	0.00	33.90	3.35	0.77	0.00
31.35	3.35	0.77	0.00	33.95	3.35	0.77	0.00
31.40	3.35	0.77	0.00	34.00	3.35	0.77	0.00
31.45	3.35	0.77	0.00	34.05	3.35	0.77	0.00
31.50	3.35	0.77	0.00	34.10	3.35	0.77	0.00
31.55	3.35	0.77	0.00	34.15	3.35	0.77	0.00
31.60	3.35	0.77	0.00	34.20	3.35	0.77	0.00
31.65	3.35	0.77	0.00	34.25	3.35	0.77	0.00
31.70	3.35	0.77	0.00	34.30	3.35	0.77	0.00
31.75	3.35	0.77	0.00	34.35	3.35	0.77	0.00
31.80	3.35	0.77	0.00	34.40	3.35	0.77	0.00
31.85	3.35	0.77	0.00	34.45	3.35	0.77	0.00
31.90	3.35	0.77	0.00	34.50	3.35	0.77	0.00
31.95	3.35	0.77	0.00	34.55	3.35	0.77	0.00
32.00	3.35	0.77	0.00	34.60	3.35	0.77	0.00
32.05	3.35	0.77	0.00	34.65	3.35	0.77	0.00
32.10	3.35	0.77	0.00	34.70	3.35	0.77	0.00
32.15	3.35	0.77	0.00	34.75	3.35	0.77	0.00
32.20	3.35	0.77	0.00	34.80	3.35	0.77	0.00
32.25	3.35	0.77	0.00	34.85	3.35	0.77	0.00
32.30	3.35	0.77	0.00	34.90	3.35	0.77	0.00
32.35	3.35	0.77	0.00	34.95	3.35	0.77	0.00
32.40	3.35	0.77	0.00	35.00	3.35	0.77	0.00
32.45	3.35	0.77	0.00	35.05	3.35	0.77	0.00
32.50	3.35	0.77	0.00	35.10	3.35	0.77	0.00
32.55	3.35	0.77	0.00	35.15	3.35	0.77	0.00
32.60	3.35	0.77	0.00	35.20	3.35	0.77	0.00
32.65	3.35	0.77	0.00	35.25	3.35	0.77	0.00
32.70	3.35	0.77	0.00	35.30	3.35	0.77	0.00
32.75	3.35	0.77	0.00	35.35	3.35	0.77	0.00
32.80	3.35	0.77	0.00	35.40	3.35	0.77	0.00
32.85	3.35	0.77	0.00	35.45	3.35	0.77	0.00
32.90	3.35	0.77	0.00	35.50	3.35	0.77	0.00
32.95	3.35	0.77	0.00	35.55	3.35	0.77	0.00
33.00	3.35	0.77	0.00	35.60	3.35	0.77	0.00
33.05	3.35	0.77	0.00	35.65	3.35	0.77	0.00
33.10	3.35	0.77	0.00	35.70	3.35	0.77	0.00
33.15	3.35	0.77	0.00	35.75	3.35	0.77	0.00
33.20	3.35	0.77	0.00	35.80	3.35	0.77	0.00
33.25	3.35	0.77	0.00	35.85	3.35	0.77	0.00
33.30	3.35	0.77	0.00	35.90	3.35	0.77	0.00
33.35	3.35	0.77	0.00	35.95	3.35	0.77	0.00
33.40	3.35	0.77	0.00	36.00	3.35	0.77	0.00
33.45	3.35	0.77	0.00	36.05	3.35	0.77	0.00
33.50	3.35	0.77	0.00	36.10	3.35	0.77	0.00
33.55	3.35	0.77	0.00	36.15	3.35	0.77	0.00
33.60	3.35	0.77	0.00	36.20	3.35	0.77	0.00
33.65	3.35	0.77	0.00	36.25	3.35	0.77	0.00
33.70	3.35	0.77	0.00	36.30	3.35	0.77	0.00
33.75	3.35	0.77	0.00	36.35	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.77	0.00	39.00	3.35	0.77	0.00
36.45	3.35	0.77	0.00	39.05	3.35	0.77	0.00
36.50	3.35	0.77	0.00	39.10	3.35	0.77	0.00
36.55	3.35	0.77	0.00	39.15	3.35	0.77	0.00
36.60	3.35	0.77	0.00	39.20	3.35	0.77	0.00
36.65	3.35	0.77	0.00	39.25	3.35	0.77	0.00
36.70	3.35	0.77	0.00	39.30	3.35	0.77	0.00
36.75	3.35	0.77	0.00	39.35	3.35	0.77	0.00
36.80	3.35	0.77	0.00	39.40	3.35	0.77	0.00
36.85	3.35	0.77	0.00	39.45	3.35	0.77	0.00
36.90	3.35	0.77	0.00	39.50	3.35	0.77	0.00
36.95	3.35	0.77	0.00	39.55	3.35	0.77	0.00
37.00	3.35	0.77	0.00	39.60	3.35	0.77	0.00
37.05	3.35	0.77	0.00	39.65	3.35	0.77	0.00
37.10	3.35	0.77	0.00	39.70	3.35	0.77	0.00
37.15	3.35	0.77	0.00	39.75	3.35	0.77	0.00
37.20	3.35	0.77	0.00	39.80	3.35	0.77	0.00
37.25	3.35	0.77	0.00	39.85	3.35	0.77	0.00
37.30	3.35	0.77	0.00	39.90	3.35	0.77	0.00
37.35	3.35	0.77	0.00	39.95	3.35	0.77	0.00
37.40	3.35	0.77	0.00	40.00	3.35	0.77	0.00
37.45	3.35	0.77	0.00				
37.50	3.35	0.77	0.00				
37.55	3.35	0.77	0.00				
37.60	3.35	0.77	0.00				
37.65	3.35	0.77	0.00				
37.70	3.35	0.77	0.00				
37.75	3.35	0.77	0.00				
37.80	3.35	0.77	0.00				
37.85	3.35	0.77	0.00				
37.90	3.35	0.77	0.00				
37.95	3.35	0.77	0.00				
38.00	3.35	0.77	0.00				
38.05	3.35	0.77	0.00				
38.10	3.35	0.77	0.00				
38.15	3.35	0.77	0.00				
38.20	3.35	0.77	0.00				
38.25	3.35	0.77	0.00				
38.30	3.35	0.77	0.00				
38.35	3.35	0.77	0.00				
38.40	3.35	0.77	0.00				
38.45	3.35	0.77	0.00				
38.50	3.35	0.77	0.00				
38.55	3.35	0.77	0.00				
38.60	3.35	0.77	0.00				
38.65	3.35	0.77	0.00				
38.70	3.35	0.77	0.00				
38.75	3.35	0.77	0.00				
38.80	3.35	0.77	0.00				
38.85	3.35	0.77	0.00				
38.90	3.35	0.77	0.00				
38.95	3.35	0.77	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 11.91 cfs @ 12.17 hrs, Volume= 0.874 af, Depth= 1.20"

Routed to Link XDA-5 : Existing Drainage Area #5

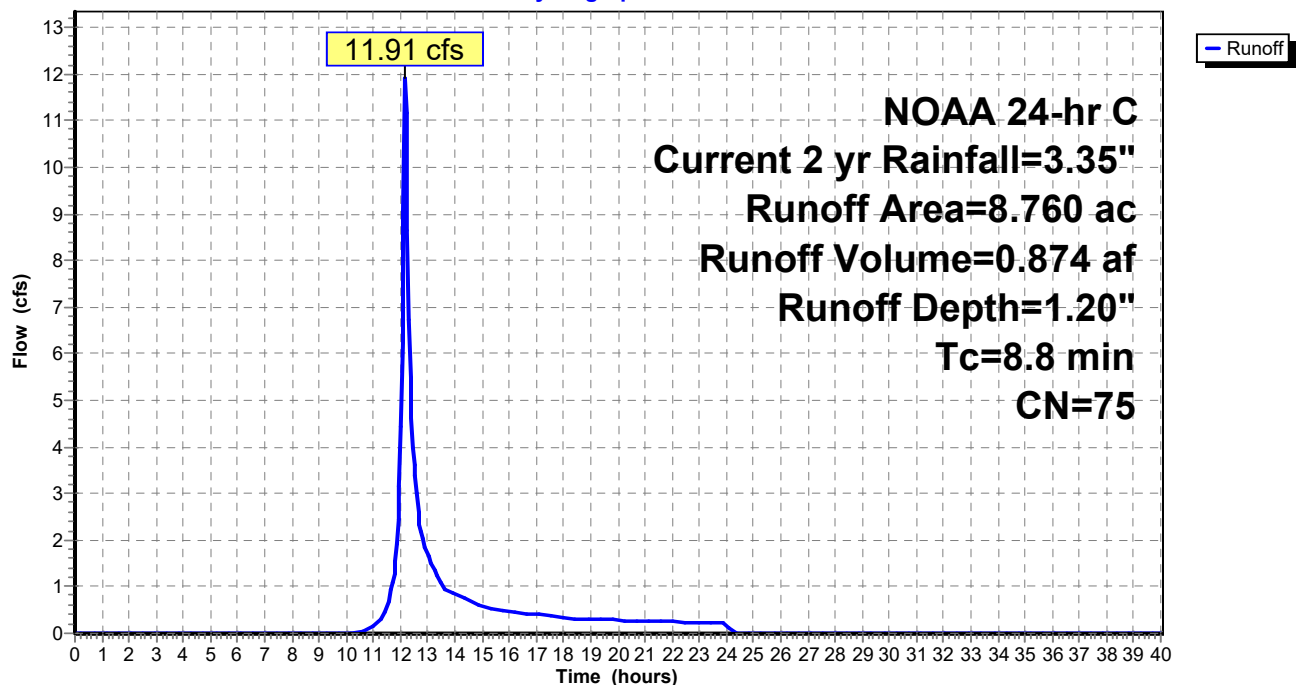
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.68	1.71
10.45	0.68	0.00	0.00	13.05	2.56	0.69	1.63
10.50	0.69	0.00	0.00	13.10	2.57	0.69	1.54
10.55	0.70	0.00	0.01	13.15	2.58	0.70	1.46
10.60	0.71	0.00	0.02	13.20	2.60	0.71	1.39
10.65	0.72	0.00	0.03	13.25	2.61	0.71	1.34
10.70	0.73	0.00	0.04	13.30	2.62	0.72	1.29
10.75	0.74	0.00	0.05	13.35	2.63	0.73	1.24
10.80	0.75	0.00	0.06	13.40	2.64	0.73	1.19
10.85	0.77	0.00	0.08	13.45	2.65	0.74	1.14
10.90	0.78	0.00	0.09	13.50	2.66	0.75	1.09
10.95	0.79	0.00	0.11	13.55	2.67	0.75	1.05
11.00	0.80	0.01	0.13	13.60	2.68	0.76	1.00
11.05	0.82	0.01	0.15	13.65	2.68	0.76	0.95
11.10	0.83	0.01	0.18	13.70	2.69	0.77	0.92
11.15	0.85	0.01	0.21	13.75	2.70	0.77	0.90
11.20	0.87	0.01	0.24	13.80	2.71	0.78	0.89
11.25	0.89	0.01	0.28	13.85	2.72	0.78	0.87
11.30	0.91	0.02	0.32	13.90	2.72	0.79	0.86
11.35	0.93	0.02	0.36	13.95	2.73	0.79	0.85
11.40	0.95	0.02	0.41	14.00	2.74	0.79	0.84
11.45	0.97	0.02	0.47	14.05	2.75	0.80	0.82
11.50	0.99	0.03	0.52	14.10	2.75	0.80	0.81
11.55	1.02	0.03	0.59	14.15	2.76	0.81	0.80
11.60	1.06	0.04	0.74	14.20	2.77	0.81	0.79
11.65	1.09	0.05	0.94	14.25	2.77	0.82	0.78
11.70	1.13	0.06	1.10	14.30	2.78	0.82	0.76
11.75	1.18	0.07	1.27	14.35	2.79	0.82	0.75
11.80	1.23	0.08	1.54	14.40	2.79	0.83	0.74
11.85	1.29	0.10	1.91	14.45	2.80	0.83	0.72
11.90	1.36	0.12	2.43	14.50	2.81	0.84	0.71
11.95	1.48	0.16	3.16	14.55	2.81	0.84	0.70
12.00	1.60	0.20	4.43	14.60	2.82	0.84	0.69
12.05	1.79	0.28	6.25	14.65	2.82	0.85	0.67
12.10	1.99	0.37	9.07	14.70	2.83	0.85	0.66
12.15	2.06	0.41	11.75	14.75	2.84	0.85	0.65
12.20	2.12	0.44	11.16	14.80	2.84	0.86	0.63
12.25	2.17	0.47	8.65	14.85	2.85	0.86	0.62
12.30	2.22	0.49	6.72	14.90	2.85	0.86	0.61
12.35	2.26	0.51	5.50	14.95	2.86	0.87	0.59
12.40	2.29	0.53	4.62	15.00	2.86	0.87	0.58
12.45	2.33	0.55	3.98	15.05	2.87	0.87	0.56
12.50	2.36	0.57	3.62	15.10	2.87	0.88	0.55
12.55	2.38	0.58	3.39	15.15	2.87	0.88	0.54
12.60	2.40	0.60	3.01	15.20	2.88	0.88	0.53
12.65	2.42	0.61	2.58	15.25	2.88	0.89	0.53
12.70	2.44	0.62	2.32	15.30	2.89	0.89	0.52
12.75	2.46	0.63	2.17	15.35	2.89	0.89	0.52
12.80	2.48	0.64	2.06	15.40	2.90	0.89	0.51
12.85	2.50	0.65	1.97	15.45	2.90	0.90	0.51
12.90	2.52	0.66	1.88	15.50	2.91	0.90	0.51
12.95	2.53	0.67	1.80	15.55	2.91	0.90	0.50

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.91	0.50	18.20	3.10	1.02	0.32
15.65	2.92	0.91	0.50	18.25	3.10	1.03	0.32
15.70	2.92	0.91	0.49	18.30	3.10	1.03	0.31
15.75	2.93	0.91	0.49	18.35	3.10	1.03	0.31
15.80	2.93	0.92	0.49	18.40	3.11	1.03	0.31
15.85	2.94	0.92	0.48	18.45	3.11	1.03	0.31
15.90	2.94	0.92	0.48	18.50	3.11	1.03	0.31
15.95	2.94	0.92	0.48	18.55	3.11	1.04	0.31
16.00	2.95	0.93	0.47	18.60	3.12	1.04	0.31
16.05	2.95	0.93	0.47	18.65	3.12	1.04	0.31
16.10	2.96	0.93	0.47	18.70	3.12	1.04	0.31
16.15	2.96	0.94	0.46	18.75	3.12	1.04	0.31
16.20	2.96	0.94	0.46	18.80	3.13	1.04	0.31
16.25	2.97	0.94	0.46	18.85	3.13	1.05	0.31
16.30	2.97	0.94	0.45	18.90	3.13	1.05	0.30
16.35	2.98	0.95	0.45	18.95	3.13	1.05	0.30
16.40	2.98	0.95	0.45	19.00	3.14	1.05	0.30
16.45	2.98	0.95	0.44	19.05	3.14	1.05	0.30
16.50	2.99	0.95	0.44	19.10	3.14	1.05	0.30
16.55	2.99	0.96	0.44	19.15	3.14	1.06	0.30
16.60	3.00	0.96	0.43	19.20	3.15	1.06	0.30
16.65	3.00	0.96	0.43	19.25	3.15	1.06	0.30
16.70	3.00	0.96	0.43	19.30	3.15	1.06	0.30
16.75	3.01	0.96	0.42	19.35	3.15	1.06	0.30
16.80	3.01	0.97	0.42	19.40	3.16	1.06	0.30
16.85	3.01	0.97	0.41	19.45	3.16	1.07	0.29
16.90	3.02	0.97	0.41	19.50	3.16	1.07	0.29
16.95	3.02	0.97	0.41	19.55	3.16	1.07	0.29
17.00	3.02	0.98	0.40	19.60	3.17	1.07	0.29
17.05	3.03	0.98	0.40	19.65	3.17	1.07	0.29
17.10	3.03	0.98	0.40	19.70	3.17	1.07	0.29
17.15	3.03	0.98	0.39	19.75	3.17	1.08	0.29
17.20	3.04	0.98	0.39	19.80	3.18	1.08	0.29
17.25	3.04	0.99	0.39	19.85	3.18	1.08	0.29
17.30	3.04	0.99	0.38	19.90	3.18	1.08	0.29
17.35	3.05	0.99	0.38	19.95	3.18	1.08	0.29
17.40	3.05	0.99	0.37	20.00	3.19	1.08	0.29
17.45	3.05	1.00	0.37	20.05	3.19	1.09	0.28
17.50	3.06	1.00	0.37	20.10	3.19	1.09	0.28
17.55	3.06	1.00	0.36	20.15	3.19	1.09	0.28
17.60	3.06	1.00	0.36	20.20	3.20	1.09	0.28
17.65	3.06	1.00	0.36	20.25	3.20	1.09	0.28
17.70	3.07	1.01	0.35	20.30	3.20	1.09	0.28
17.75	3.07	1.01	0.35	20.35	3.20	1.10	0.28
17.80	3.07	1.01	0.35	20.40	3.20	1.10	0.28
17.85	3.08	1.01	0.34	20.45	3.21	1.10	0.28
17.90	3.08	1.01	0.34	20.50	3.21	1.10	0.28
17.95	3.08	1.01	0.33	20.55	3.21	1.10	0.28
18.00	3.08	1.02	0.33	20.60	3.21	1.10	0.28
18.05	3.09	1.02	0.33	20.65	3.22	1.10	0.27
18.10	3.09	1.02	0.32	20.70	3.22	1.11	0.27
18.15	3.09	1.02	0.32	20.75	3.22	1.11	0.27

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.11	0.27	23.40	3.33	1.18	0.22
20.85	3.23	1.11	0.27	23.45	3.33	1.18	0.22
20.90	3.23	1.11	0.27	23.50	3.33	1.18	0.22
20.95	3.23	1.11	0.27	23.55	3.33	1.19	0.22
21.00	3.23	1.12	0.27	23.60	3.34	1.19	0.22
21.05	3.23	1.12	0.27	23.65	3.34	1.19	0.22
21.10	3.24	1.12	0.27	23.70	3.34	1.19	0.22
21.15	3.24	1.12	0.26	23.75	3.34	1.19	0.22
21.20	3.24	1.12	0.26	23.80	3.34	1.19	0.22
21.25	3.24	1.12	0.26	23.85	3.34	1.19	0.21
21.30	3.24	1.12	0.26	23.90	3.35	1.19	0.21
21.35	3.25	1.13	0.26	23.95	3.35	1.20	0.21
21.40	3.25	1.13	0.26	24.00	3.35	1.20	0.23
21.45	3.25	1.13	0.26	24.05	3.35	1.20	0.23
21.50	3.25	1.13	0.26	24.10	3.35	1.20	0.17
21.55	3.26	1.13	0.26	24.15	3.35	1.20	0.09
21.60	3.26	1.13	0.26	24.20	3.35	1.20	0.04
21.65	3.26	1.13	0.26	24.25	3.35	1.20	0.02
21.70	3.26	1.14	0.25	24.30	3.35	1.20	0.01
21.75	3.26	1.14	0.25	24.35	3.35	1.20	0.00
21.80	3.27	1.14	0.25	24.40	3.35	1.20	0.00
21.85	3.27	1.14	0.25	24.45	3.35	1.20	0.00
21.90	3.27	1.14	0.25	24.50	3.35	1.20	0.00
21.95	3.27	1.14	0.25	24.55	3.35	1.20	0.00
22.00	3.27	1.14	0.25	24.60	3.35	1.20	0.00
22.05	3.28	1.15	0.25	24.65	3.35	1.20	0.00
22.10	3.28	1.15	0.25	24.70	3.35	1.20	0.00
22.15	3.28	1.15	0.25	24.75	3.35	1.20	0.00
22.20	3.28	1.15	0.25	24.80	3.35	1.20	0.00
22.25	3.28	1.15	0.25	24.85	3.35	1.20	0.00
22.30	3.29	1.15	0.24	24.90	3.35	1.20	0.00
22.35	3.29	1.15	0.24	24.95	3.35	1.20	0.00
22.40	3.29	1.16	0.24	25.00	3.35	1.20	0.00
22.45	3.29	1.16	0.24	25.05	3.35	1.20	0.00
22.50	3.29	1.16	0.24	25.10	3.35	1.20	0.00
22.55	3.30	1.16	0.24	25.15	3.35	1.20	0.00
22.60	3.30	1.16	0.24	25.20	3.35	1.20	0.00
22.65	3.30	1.16	0.24	25.25	3.35	1.20	0.00
22.70	3.30	1.16	0.24	25.30	3.35	1.20	0.00
22.75	3.30	1.16	0.24	25.35	3.35	1.20	0.00
22.80	3.31	1.17	0.23	25.40	3.35	1.20	0.00
22.85	3.31	1.17	0.23	25.45	3.35	1.20	0.00
22.90	3.31	1.17	0.23	25.50	3.35	1.20	0.00
22.95	3.31	1.17	0.23	25.55	3.35	1.20	0.00
23.00	3.31	1.17	0.23	25.60	3.35	1.20	0.00
23.05	3.32	1.17	0.23	25.65	3.35	1.20	0.00
23.10	3.32	1.17	0.23	25.70	3.35	1.20	0.00
23.15	3.32	1.18	0.23	25.75	3.35	1.20	0.00
23.20	3.32	1.18	0.23	25.80	3.35	1.20	0.00
23.25	3.32	1.18	0.23	25.85	3.35	1.20	0.00
23.30	3.32	1.18	0.22	25.90	3.35	1.20	0.00
23.35	3.33	1.18	0.22	25.95	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.20	0.00	28.60	3.35	1.20	0.00
26.05	3.35	1.20	0.00	28.65	3.35	1.20	0.00
26.10	3.35	1.20	0.00	28.70	3.35	1.20	0.00
26.15	3.35	1.20	0.00	28.75	3.35	1.20	0.00
26.20	3.35	1.20	0.00	28.80	3.35	1.20	0.00
26.25	3.35	1.20	0.00	28.85	3.35	1.20	0.00
26.30	3.35	1.20	0.00	28.90	3.35	1.20	0.00
26.35	3.35	1.20	0.00	28.95	3.35	1.20	0.00
26.40	3.35	1.20	0.00	29.00	3.35	1.20	0.00
26.45	3.35	1.20	0.00	29.05	3.35	1.20	0.00
26.50	3.35	1.20	0.00	29.10	3.35	1.20	0.00
26.55	3.35	1.20	0.00	29.15	3.35	1.20	0.00
26.60	3.35	1.20	0.00	29.20	3.35	1.20	0.00
26.65	3.35	1.20	0.00	29.25	3.35	1.20	0.00
26.70	3.35	1.20	0.00	29.30	3.35	1.20	0.00
26.75	3.35	1.20	0.00	29.35	3.35	1.20	0.00
26.80	3.35	1.20	0.00	29.40	3.35	1.20	0.00
26.85	3.35	1.20	0.00	29.45	3.35	1.20	0.00
26.90	3.35	1.20	0.00	29.50	3.35	1.20	0.00
26.95	3.35	1.20	0.00	29.55	3.35	1.20	0.00
27.00	3.35	1.20	0.00	29.60	3.35	1.20	0.00
27.05	3.35	1.20	0.00	29.65	3.35	1.20	0.00
27.10	3.35	1.20	0.00	29.70	3.35	1.20	0.00
27.15	3.35	1.20	0.00	29.75	3.35	1.20	0.00
27.20	3.35	1.20	0.00	29.80	3.35	1.20	0.00
27.25	3.35	1.20	0.00	29.85	3.35	1.20	0.00
27.30	3.35	1.20	0.00	29.90	3.35	1.20	0.00
27.35	3.35	1.20	0.00	29.95	3.35	1.20	0.00
27.40	3.35	1.20	0.00	30.00	3.35	1.20	0.00
27.45	3.35	1.20	0.00	30.05	3.35	1.20	0.00
27.50	3.35	1.20	0.00	30.10	3.35	1.20	0.00
27.55	3.35	1.20	0.00	30.15	3.35	1.20	0.00
27.60	3.35	1.20	0.00	30.20	3.35	1.20	0.00
27.65	3.35	1.20	0.00	30.25	3.35	1.20	0.00
27.70	3.35	1.20	0.00	30.30	3.35	1.20	0.00
27.75	3.35	1.20	0.00	30.35	3.35	1.20	0.00
27.80	3.35	1.20	0.00	30.40	3.35	1.20	0.00
27.85	3.35	1.20	0.00	30.45	3.35	1.20	0.00
27.90	3.35	1.20	0.00	30.50	3.35	1.20	0.00
27.95	3.35	1.20	0.00	30.55	3.35	1.20	0.00
28.00	3.35	1.20	0.00	30.60	3.35	1.20	0.00
28.05	3.35	1.20	0.00	30.65	3.35	1.20	0.00
28.10	3.35	1.20	0.00	30.70	3.35	1.20	0.00
28.15	3.35	1.20	0.00	30.75	3.35	1.20	0.00
28.20	3.35	1.20	0.00	30.80	3.35	1.20	0.00
28.25	3.35	1.20	0.00	30.85	3.35	1.20	0.00
28.30	3.35	1.20	0.00	30.90	3.35	1.20	0.00
28.35	3.35	1.20	0.00	30.95	3.35	1.20	0.00
28.40	3.35	1.20	0.00	31.00	3.35	1.20	0.00
28.45	3.35	1.20	0.00	31.05	3.35	1.20	0.00
28.50	3.35	1.20	0.00	31.10	3.35	1.20	0.00
28.55	3.35	1.20	0.00	31.15	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.20	0.00	33.80	3.35	1.20	0.00
31.25	3.35	1.20	0.00	33.85	3.35	1.20	0.00
31.30	3.35	1.20	0.00	33.90	3.35	1.20	0.00
31.35	3.35	1.20	0.00	33.95	3.35	1.20	0.00
31.40	3.35	1.20	0.00	34.00	3.35	1.20	0.00
31.45	3.35	1.20	0.00	34.05	3.35	1.20	0.00
31.50	3.35	1.20	0.00	34.10	3.35	1.20	0.00
31.55	3.35	1.20	0.00	34.15	3.35	1.20	0.00
31.60	3.35	1.20	0.00	34.20	3.35	1.20	0.00
31.65	3.35	1.20	0.00	34.25	3.35	1.20	0.00
31.70	3.35	1.20	0.00	34.30	3.35	1.20	0.00
31.75	3.35	1.20	0.00	34.35	3.35	1.20	0.00
31.80	3.35	1.20	0.00	34.40	3.35	1.20	0.00
31.85	3.35	1.20	0.00	34.45	3.35	1.20	0.00
31.90	3.35	1.20	0.00	34.50	3.35	1.20	0.00
31.95	3.35	1.20	0.00	34.55	3.35	1.20	0.00
32.00	3.35	1.20	0.00	34.60	3.35	1.20	0.00
32.05	3.35	1.20	0.00	34.65	3.35	1.20	0.00
32.10	3.35	1.20	0.00	34.70	3.35	1.20	0.00
32.15	3.35	1.20	0.00	34.75	3.35	1.20	0.00
32.20	3.35	1.20	0.00	34.80	3.35	1.20	0.00
32.25	3.35	1.20	0.00	34.85	3.35	1.20	0.00
32.30	3.35	1.20	0.00	34.90	3.35	1.20	0.00
32.35	3.35	1.20	0.00	34.95	3.35	1.20	0.00
32.40	3.35	1.20	0.00	35.00	3.35	1.20	0.00
32.45	3.35	1.20	0.00	35.05	3.35	1.20	0.00
32.50	3.35	1.20	0.00	35.10	3.35	1.20	0.00
32.55	3.35	1.20	0.00	35.15	3.35	1.20	0.00
32.60	3.35	1.20	0.00	35.20	3.35	1.20	0.00
32.65	3.35	1.20	0.00	35.25	3.35	1.20	0.00
32.70	3.35	1.20	0.00	35.30	3.35	1.20	0.00
32.75	3.35	1.20	0.00	35.35	3.35	1.20	0.00
32.80	3.35	1.20	0.00	35.40	3.35	1.20	0.00
32.85	3.35	1.20	0.00	35.45	3.35	1.20	0.00
32.90	3.35	1.20	0.00	35.50	3.35	1.20	0.00
32.95	3.35	1.20	0.00	35.55	3.35	1.20	0.00
33.00	3.35	1.20	0.00	35.60	3.35	1.20	0.00
33.05	3.35	1.20	0.00	35.65	3.35	1.20	0.00
33.10	3.35	1.20	0.00	35.70	3.35	1.20	0.00
33.15	3.35	1.20	0.00	35.75	3.35	1.20	0.00
33.20	3.35	1.20	0.00	35.80	3.35	1.20	0.00
33.25	3.35	1.20	0.00	35.85	3.35	1.20	0.00
33.30	3.35	1.20	0.00	35.90	3.35	1.20	0.00
33.35	3.35	1.20	0.00	35.95	3.35	1.20	0.00
33.40	3.35	1.20	0.00	36.00	3.35	1.20	0.00
33.45	3.35	1.20	0.00	36.05	3.35	1.20	0.00
33.50	3.35	1.20	0.00	36.10	3.35	1.20	0.00
33.55	3.35	1.20	0.00	36.15	3.35	1.20	0.00
33.60	3.35	1.20	0.00	36.20	3.35	1.20	0.00
33.65	3.35	1.20	0.00	36.25	3.35	1.20	0.00
33.70	3.35	1.20	0.00	36.30	3.35	1.20	0.00
33.75	3.35	1.20	0.00	36.35	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.20	0.00	39.00	3.35	1.20	0.00
36.45	3.35	1.20	0.00	39.05	3.35	1.20	0.00
36.50	3.35	1.20	0.00	39.10	3.35	1.20	0.00
36.55	3.35	1.20	0.00	39.15	3.35	1.20	0.00
36.60	3.35	1.20	0.00	39.20	3.35	1.20	0.00
36.65	3.35	1.20	0.00	39.25	3.35	1.20	0.00
36.70	3.35	1.20	0.00	39.30	3.35	1.20	0.00
36.75	3.35	1.20	0.00	39.35	3.35	1.20	0.00
36.80	3.35	1.20	0.00	39.40	3.35	1.20	0.00
36.85	3.35	1.20	0.00	39.45	3.35	1.20	0.00
36.90	3.35	1.20	0.00	39.50	3.35	1.20	0.00
36.95	3.35	1.20	0.00	39.55	3.35	1.20	0.00
37.00	3.35	1.20	0.00	39.60	3.35	1.20	0.00
37.05	3.35	1.20	0.00	39.65	3.35	1.20	0.00
37.10	3.35	1.20	0.00	39.70	3.35	1.20	0.00
37.15	3.35	1.20	0.00	39.75	3.35	1.20	0.00
37.20	3.35	1.20	0.00	39.80	3.35	1.20	0.00
37.25	3.35	1.20	0.00	39.85	3.35	1.20	0.00
37.30	3.35	1.20	0.00	39.90	3.35	1.20	0.00
37.35	3.35	1.20	0.00	39.95	3.35	1.20	0.00
37.40	3.35	1.20	0.00	40.00	3.35	1.20	0.00
37.45	3.35	1.20	0.00				
37.50	3.35	1.20	0.00				
37.55	3.35	1.20	0.00				
37.60	3.35	1.20	0.00				
37.65	3.35	1.20	0.00				
37.70	3.35	1.20	0.00				
37.75	3.35	1.20	0.00				
37.80	3.35	1.20	0.00				
37.85	3.35	1.20	0.00				
37.90	3.35	1.20	0.00				
37.95	3.35	1.20	0.00				
38.00	3.35	1.20	0.00				
38.05	3.35	1.20	0.00				
38.10	3.35	1.20	0.00				
38.15	3.35	1.20	0.00				
38.20	3.35	1.20	0.00				
38.25	3.35	1.20	0.00				
38.30	3.35	1.20	0.00				
38.35	3.35	1.20	0.00				
38.40	3.35	1.20	0.00				
38.45	3.35	1.20	0.00				
38.50	3.35	1.20	0.00				
38.55	3.35	1.20	0.00				
38.60	3.35	1.20	0.00				
38.65	3.35	1.20	0.00				
38.70	3.35	1.20	0.00				
38.75	3.35	1.20	0.00				
38.80	3.35	1.20	0.00				
38.85	3.35	1.20	0.00				
38.90	3.35	1.20	0.00				
38.95	3.35	1.20	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 2.40 cfs @ 12.16 hrs, Volume= 0.197 af, Depth= 3.12"
 Routed to Link XDA-6O : XDA-6O

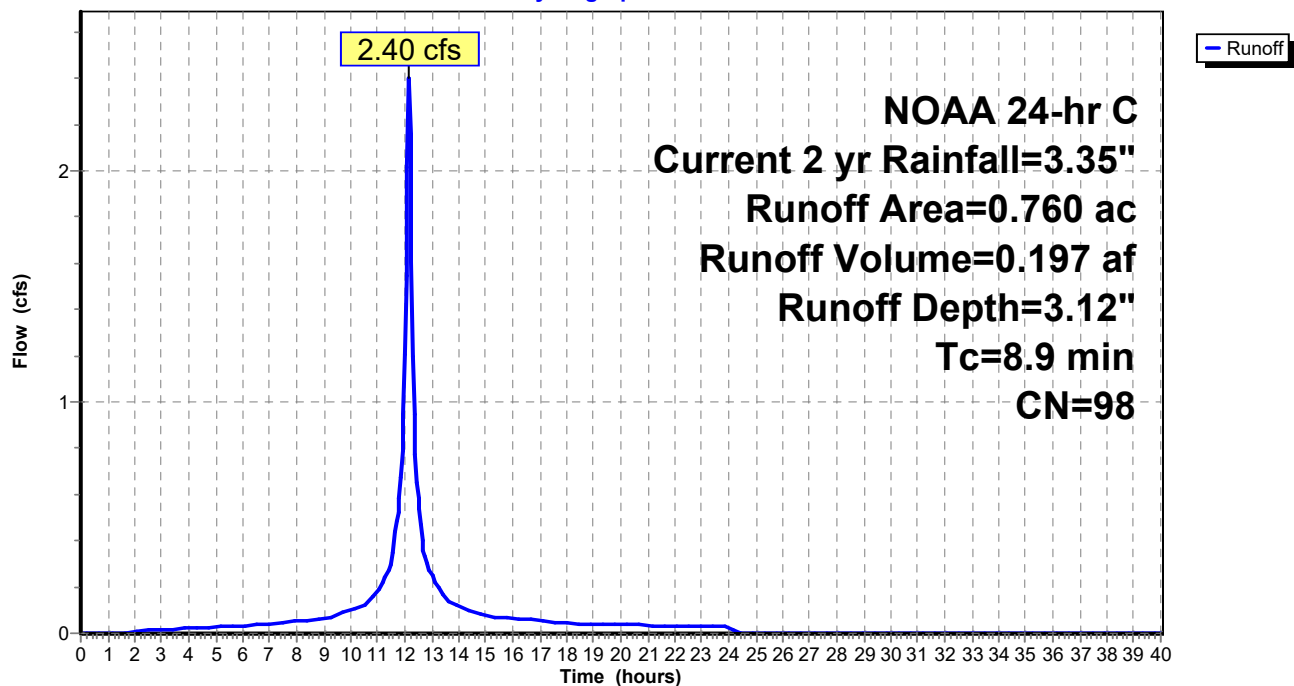
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.06
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.06
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.07
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.07
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.07
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.07
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.08
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.08
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.08
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.08
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.08
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.09
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.09
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.09
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.09
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.09
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.10
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.10
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.10
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.10
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.10
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.11
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.11
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.11
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.11
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.11

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.11	13.00	2.55	2.32	0.25
10.45	0.68	0.49	0.12	13.05	2.56	2.33	0.24
10.50	0.69	0.49	0.12	13.10	2.57	2.34	0.23
10.55	0.70	0.50	0.12	13.15	2.58	2.36	0.21
10.60	0.71	0.51	0.13	13.20	2.60	2.37	0.20
10.65	0.72	0.52	0.13	13.25	2.61	2.38	0.19
10.70	0.73	0.53	0.14	13.30	2.62	2.39	0.19
10.75	0.74	0.54	0.15	13.35	2.63	2.40	0.18
10.80	0.75	0.55	0.15	13.40	2.64	2.41	0.17
10.85	0.77	0.57	0.16	13.45	2.65	2.42	0.16
10.90	0.78	0.58	0.17	13.50	2.66	2.43	0.16
10.95	0.79	0.59	0.17	13.55	2.67	2.44	0.15
11.00	0.80	0.60	0.18	13.60	2.68	2.45	0.14
11.05	0.82	0.62	0.19	13.65	2.68	2.45	0.14
11.10	0.83	0.63	0.20	13.70	2.69	2.46	0.13
11.15	0.85	0.65	0.21	13.75	2.70	2.47	0.13
11.20	0.87	0.66	0.23	13.80	2.71	2.48	0.13
11.25	0.89	0.68	0.24	13.85	2.72	2.49	0.12
11.30	0.91	0.70	0.25	13.90	2.72	2.49	0.12
11.35	0.93	0.72	0.27	13.95	2.73	2.50	0.12
11.40	0.95	0.74	0.28	14.00	2.74	2.51	0.12
11.45	0.97	0.76	0.29	14.05	2.75	2.52	0.12
11.50	0.99	0.78	0.30	14.10	2.75	2.52	0.11
11.55	1.02	0.81	0.32	14.15	2.76	2.53	0.11
11.60	1.06	0.85	0.38	14.20	2.77	2.54	0.11
11.65	1.09	0.88	0.44	14.25	2.77	2.54	0.11
11.70	1.13	0.92	0.48	14.30	2.78	2.55	0.11
11.75	1.18	0.96	0.52	14.35	2.79	2.56	0.10
11.80	1.23	1.01	0.58	14.40	2.79	2.56	0.10
11.85	1.29	1.08	0.67	14.45	2.80	2.57	0.10
11.90	1.36	1.14	0.79	14.50	2.81	2.58	0.10
11.95	1.48	1.26	0.94	14.55	2.81	2.58	0.10
12.00	1.60	1.38	1.20	14.60	2.82	2.59	0.09
12.05	1.79	1.57	1.54	14.65	2.82	2.59	0.09
12.10	1.99	1.76	2.01	14.70	2.83	2.60	0.09
12.15	2.06	1.83	2.40	14.75	2.84	2.60	0.09
12.20	2.12	1.90	2.16	14.80	2.84	2.61	0.09
12.25	2.17	1.95	1.60	14.85	2.85	2.61	0.08
12.30	2.22	1.99	1.20	14.90	2.85	2.62	0.08
12.35	2.26	2.03	0.95	14.95	2.86	2.62	0.08
12.40	2.29	2.06	0.77	15.00	2.86	2.63	0.08
12.45	2.33	2.10	0.65	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.58	15.10	2.87	2.64	0.07
12.55	2.38	2.15	0.54	15.15	2.87	2.64	0.07
12.60	2.40	2.18	0.47	15.20	2.88	2.65	0.07
12.65	2.42	2.20	0.40	15.25	2.88	2.65	0.07
12.70	2.44	2.22	0.36	15.30	2.89	2.66	0.07
12.75	2.46	2.23	0.33	15.35	2.89	2.66	0.07
12.80	2.48	2.25	0.31	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.30	15.45	2.90	2.67	0.07
12.90	2.52	2.29	0.28	15.50	2.91	2.68	0.07
12.95	2.53	2.30	0.27	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.06	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.06	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.06	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.06	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.06	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.06	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.05	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.05	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.05	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.05	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.05	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.04	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.04	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.04	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.04	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.03
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.03

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.03	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.03	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	3.35	3.12	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.03
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.02
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.01
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00	39.00	3.35	3.12	0.00
36.45	3.35	3.12	0.00	39.05	3.35	3.12	0.00
36.50	3.35	3.12	0.00	39.10	3.35	3.12	0.00
36.55	3.35	3.12	0.00	39.15	3.35	3.12	0.00
36.60	3.35	3.12	0.00	39.20	3.35	3.12	0.00
36.65	3.35	3.12	0.00	39.25	3.35	3.12	0.00
36.70	3.35	3.12	0.00	39.30	3.35	3.12	0.00
36.75	3.35	3.12	0.00	39.35	3.35	3.12	0.00
36.80	3.35	3.12	0.00	39.40	3.35	3.12	0.00
36.85	3.35	3.12	0.00	39.45	3.35	3.12	0.00
36.90	3.35	3.12	0.00	39.50	3.35	3.12	0.00
36.95	3.35	3.12	0.00	39.55	3.35	3.12	0.00
37.00	3.35	3.12	0.00	39.60	3.35	3.12	0.00
37.05	3.35	3.12	0.00	39.65	3.35	3.12	0.00
37.10	3.35	3.12	0.00	39.70	3.35	3.12	0.00
37.15	3.35	3.12	0.00	39.75	3.35	3.12	0.00
37.20	3.35	3.12	0.00	39.80	3.35	3.12	0.00
37.25	3.35	3.12	0.00	39.85	3.35	3.12	0.00
37.30	3.35	3.12	0.00	39.90	3.35	3.12	0.00
37.35	3.35	3.12	0.00	39.95	3.35	3.12	0.00
37.40	3.35	3.12	0.00	40.00	3.35	3.12	0.00
37.45	3.35	3.12	0.00				
37.50	3.35	3.12	0.00				
37.55	3.35	3.12	0.00				
37.60	3.35	3.12	0.00				
37.65	3.35	3.12	0.00				
37.70	3.35	3.12	0.00				
37.75	3.35	3.12	0.00				
37.80	3.35	3.12	0.00				
37.85	3.35	3.12	0.00				
37.90	3.35	3.12	0.00				
37.95	3.35	3.12	0.00				
38.00	3.35	3.12	0.00				
38.05	3.35	3.12	0.00				
38.10	3.35	3.12	0.00				
38.15	3.35	3.12	0.00				
38.20	3.35	3.12	0.00				
38.25	3.35	3.12	0.00				
38.30	3.35	3.12	0.00				
38.35	3.35	3.12	0.00				
38.40	3.35	3.12	0.00				
38.45	3.35	3.12	0.00				
38.50	3.35	3.12	0.00				
38.55	3.35	3.12	0.00				
38.60	3.35	3.12	0.00				
38.65	3.35	3.12	0.00				
38.70	3.35	3.12	0.00				
38.75	3.35	3.12	0.00				
38.80	3.35	3.12	0.00				
38.85	3.35	3.12	0.00				
38.90	3.35	3.12	0.00				
38.95	3.35	3.12	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 28.11 cfs @ 12.17 hrs, Volume= 2.140 af, Depth= 0.97"
Routed to Link XDA-6 : Existing Drainage Area #6

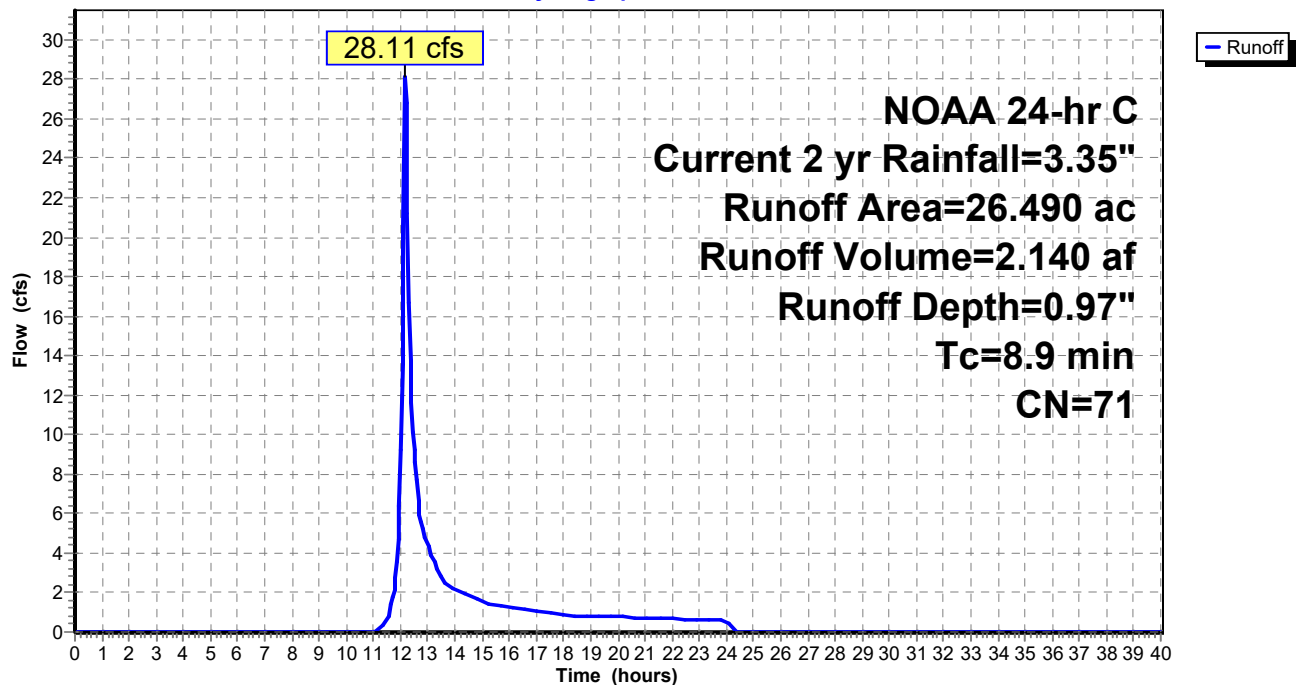
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.51	4.43
10.45	0.68	0.00	0.00	13.05	2.56	0.52	4.22
10.50	0.69	0.00	0.00	13.10	2.57	0.53	4.00
10.55	0.70	0.00	0.00	13.15	2.58	0.53	3.79
10.60	0.71	0.00	0.00	13.20	2.60	0.54	3.62
10.65	0.72	0.00	0.00	13.25	2.61	0.55	3.48
10.70	0.73	0.00	0.00	13.30	2.62	0.55	3.35
10.75	0.74	0.00	0.00	13.35	2.63	0.56	3.23
10.80	0.75	0.00	0.00	13.40	2.64	0.56	3.10
10.85	0.77	0.00	0.00	13.45	2.65	0.57	2.98
10.90	0.78	0.00	0.00	13.50	2.66	0.57	2.86
10.95	0.79	0.00	0.00	13.55	2.67	0.58	2.73
11.00	0.80	0.00	0.00	13.60	2.68	0.58	2.61
11.05	0.82	0.00	0.00	13.65	2.68	0.59	2.49
11.10	0.83	0.00	0.00	13.70	2.69	0.59	2.41
11.15	0.85	0.00	0.01	13.75	2.70	0.59	2.36
11.20	0.87	0.00	0.05	13.80	2.71	0.60	2.32
11.25	0.89	0.00	0.11	13.85	2.72	0.60	2.29
11.30	0.91	0.00	0.18	13.90	2.72	0.61	2.25
11.35	0.93	0.00	0.27	13.95	2.73	0.61	2.22
11.40	0.95	0.00	0.37	14.00	2.74	0.62	2.19
11.45	0.97	0.01	0.48	14.05	2.75	0.62	2.16
11.50	0.99	0.01	0.60	14.10	2.75	0.62	2.13
11.55	1.02	0.01	0.75	14.15	2.76	0.63	2.10
11.60	1.06	0.01	1.03	14.20	2.77	0.63	2.07
11.65	1.09	0.02	1.39	14.25	2.77	0.63	2.04
11.70	1.13	0.02	1.75	14.30	2.78	0.64	2.00
11.75	1.18	0.03	2.13	14.35	2.79	0.64	1.97
11.80	1.23	0.04	2.72	14.40	2.79	0.64	1.94
11.85	1.29	0.05	3.53	14.45	2.80	0.65	1.90
11.90	1.36	0.06	4.69	14.50	2.81	0.65	1.87
11.95	1.48	0.09	6.34	14.55	2.81	0.65	1.84
12.00	1.60	0.12	9.27	14.60	2.82	0.66	1.80
12.05	1.79	0.19	13.61	14.65	2.82	0.66	1.77
12.10	1.99	0.26	20.50	14.70	2.83	0.66	1.73
12.15	2.06	0.29	27.46	14.75	2.84	0.67	1.70
12.20	2.12	0.32	26.80	14.80	2.84	0.67	1.67
12.25	2.17	0.34	21.15	14.85	2.85	0.67	1.63
12.30	2.22	0.36	16.64	14.90	2.85	0.68	1.60
12.35	2.26	0.38	13.75	14.95	2.86	0.68	1.56
12.40	2.29	0.39	11.64	15.00	2.86	0.68	1.53
12.45	2.33	0.41	10.07	15.05	2.87	0.68	1.49
12.50	2.36	0.42	9.20	15.10	2.87	0.69	1.46
12.55	2.38	0.43	8.64	15.15	2.87	0.69	1.43
12.60	2.40	0.44	7.69	15.20	2.88	0.69	1.40
12.65	2.42	0.45	6.62	15.25	2.88	0.69	1.39
12.70	2.44	0.46	5.94	15.30	2.89	0.70	1.38
12.75	2.46	0.47	5.58	15.35	2.89	0.70	1.37
12.80	2.48	0.48	5.31	15.40	2.90	0.70	1.36
12.85	2.50	0.49	5.08	15.45	2.90	0.70	1.35
12.90	2.52	0.50	4.86	15.50	2.91	0.71	1.34
12.95	2.53	0.51	4.65	15.55	2.91	0.71	1.34

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.71	1.33	18.20	3.10	0.82	0.85
15.65	2.92	0.71	1.32	18.25	3.10	0.82	0.84
15.70	2.92	0.72	1.31	18.30	3.10	0.82	0.84
15.75	2.93	0.72	1.30	18.35	3.10	0.82	0.84
15.80	2.93	0.72	1.29	18.40	3.11	0.82	0.84
15.85	2.94	0.72	1.28	18.45	3.11	0.82	0.83
15.90	2.94	0.73	1.27	18.50	3.11	0.83	0.83
15.95	2.94	0.73	1.27	18.55	3.11	0.83	0.83
16.00	2.95	0.73	1.26	18.60	3.12	0.83	0.83
16.05	2.95	0.73	1.25	18.65	3.12	0.83	0.83
16.10	2.96	0.74	1.24	18.70	3.12	0.83	0.82
16.15	2.96	0.74	1.23	18.75	3.12	0.83	0.82
16.20	2.96	0.74	1.22	18.80	3.13	0.83	0.82
16.25	2.97	0.74	1.21	18.85	3.13	0.84	0.82
16.30	2.97	0.74	1.20	18.90	3.13	0.84	0.81
16.35	2.98	0.75	1.19	18.95	3.13	0.84	0.81
16.40	2.98	0.75	1.19	19.00	3.14	0.84	0.81
16.45	2.98	0.75	1.18	19.05	3.14	0.84	0.81
16.50	2.99	0.75	1.17	19.10	3.14	0.84	0.81
16.55	2.99	0.76	1.16	19.15	3.14	0.84	0.80
16.60	3.00	0.76	1.15	19.20	3.15	0.85	0.80
16.65	3.00	0.76	1.14	19.25	3.15	0.85	0.80
16.70	3.00	0.76	1.13	19.30	3.15	0.85	0.80
16.75	3.01	0.76	1.12	19.35	3.15	0.85	0.79
16.80	3.01	0.77	1.11	19.40	3.16	0.85	0.79
16.85	3.01	0.77	1.10	19.45	3.16	0.85	0.79
16.90	3.02	0.77	1.09	19.50	3.16	0.86	0.79
16.95	3.02	0.77	1.08	19.55	3.16	0.86	0.79
17.00	3.02	0.77	1.08	19.60	3.17	0.86	0.78
17.05	3.03	0.78	1.07	19.65	3.17	0.86	0.78
17.10	3.03	0.78	1.06	19.70	3.17	0.86	0.78
17.15	3.03	0.78	1.05	19.75	3.17	0.86	0.78
17.20	3.04	0.78	1.04	19.80	3.18	0.86	0.78
17.25	3.04	0.78	1.03	19.85	3.18	0.87	0.78
17.30	3.04	0.79	1.02	19.90	3.18	0.87	0.77
17.35	3.05	0.79	1.01	19.95	3.18	0.87	0.77
17.40	3.05	0.79	1.00	20.00	3.19	0.87	0.77
17.45	3.05	0.79	0.99	20.05	3.19	0.87	0.76
17.50	3.06	0.79	0.98	20.10	3.19	0.87	0.76
17.55	3.06	0.79	0.97	20.15	3.19	0.87	0.76
17.60	3.06	0.80	0.96	20.20	3.20	0.88	0.76
17.65	3.06	0.80	0.95	20.25	3.20	0.88	0.75
17.70	3.07	0.80	0.94	20.30	3.20	0.88	0.75
17.75	3.07	0.80	0.93	20.35	3.20	0.88	0.75
17.80	3.07	0.80	0.92	20.40	3.20	0.88	0.75
17.85	3.08	0.80	0.91	20.45	3.21	0.88	0.74
17.90	3.08	0.81	0.90	20.50	3.21	0.88	0.74
17.95	3.08	0.81	0.89	20.55	3.21	0.89	0.74
18.00	3.08	0.81	0.88	20.60	3.21	0.89	0.74
18.05	3.09	0.81	0.87	20.65	3.22	0.89	0.74
18.10	3.09	0.81	0.86	20.70	3.22	0.89	0.74
18.15	3.09	0.81	0.85	20.75	3.22	0.89	0.73

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.89	0.73	23.40	3.33	0.96	0.60
20.85	3.23	0.89	0.73	23.45	3.33	0.96	0.60
20.90	3.23	0.89	0.72	23.50	3.33	0.96	0.60
20.95	3.23	0.90	0.72	23.55	3.33	0.96	0.59
21.00	3.23	0.90	0.72	23.60	3.34	0.96	0.59
21.05	3.23	0.90	0.72	23.65	3.34	0.96	0.59
21.10	3.24	0.90	0.71	23.70	3.34	0.96	0.59
21.15	3.24	0.90	0.71	23.75	3.34	0.96	0.59
21.20	3.24	0.90	0.71	23.80	3.34	0.96	0.58
21.25	3.24	0.90	0.71	23.85	3.34	0.97	0.58
21.30	3.24	0.91	0.71	23.90	3.35	0.97	0.58
21.35	3.25	0.91	0.71	23.95	3.35	0.97	0.58
21.40	3.25	0.91	0.70	24.00	3.35	0.97	0.61
21.45	3.25	0.91	0.70	24.05	3.35	0.97	0.62
21.50	3.25	0.91	0.70	24.10	3.35	0.97	0.47
21.55	3.26	0.91	0.69	24.15	3.35	0.97	0.24
21.60	3.26	0.91	0.69	24.20	3.35	0.97	0.10
21.65	3.26	0.91	0.69	24.25	3.35	0.97	0.05
21.70	3.26	0.92	0.68	24.30	3.35	0.97	0.02
21.75	3.26	0.92	0.68	24.35	3.35	0.97	0.01
21.80	3.27	0.92	0.68	24.40	3.35	0.97	0.00
21.85	3.27	0.92	0.68	24.45	3.35	0.97	0.00
21.90	3.27	0.92	0.68	24.50	3.35	0.97	0.00
21.95	3.27	0.92	0.67	24.55	3.35	0.97	0.00
22.00	3.27	0.92	0.67	24.60	3.35	0.97	0.00
22.05	3.28	0.92	0.67	24.65	3.35	0.97	0.00
22.10	3.28	0.93	0.67	24.70	3.35	0.97	0.00
22.15	3.28	0.93	0.66	24.75	3.35	0.97	0.00
22.20	3.28	0.93	0.66	24.80	3.35	0.97	0.00
22.25	3.28	0.93	0.66	24.85	3.35	0.97	0.00
22.30	3.29	0.93	0.66	24.90	3.35	0.97	0.00
22.35	3.29	0.93	0.65	24.95	3.35	0.97	0.00
22.40	3.29	0.93	0.65	25.00	3.35	0.97	0.00
22.45	3.29	0.93	0.65	25.05	3.35	0.97	0.00
22.50	3.29	0.94	0.65	25.10	3.35	0.97	0.00
22.55	3.30	0.94	0.64	25.15	3.35	0.97	0.00
22.60	3.30	0.94	0.64	25.20	3.35	0.97	0.00
22.65	3.30	0.94	0.64	25.25	3.35	0.97	0.00
22.70	3.30	0.94	0.64	25.30	3.35	0.97	0.00
22.75	3.30	0.94	0.63	25.35	3.35	0.97	0.00
22.80	3.31	0.94	0.63	25.40	3.35	0.97	0.00
22.85	3.31	0.94	0.63	25.45	3.35	0.97	0.00
22.90	3.31	0.94	0.63	25.50	3.35	0.97	0.00
22.95	3.31	0.95	0.62	25.55	3.35	0.97	0.00
23.00	3.31	0.95	0.62	25.60	3.35	0.97	0.00
23.05	3.32	0.95	0.62	25.65	3.35	0.97	0.00
23.10	3.32	0.95	0.62	25.70	3.35	0.97	0.00
23.15	3.32	0.95	0.61	25.75	3.35	0.97	0.00
23.20	3.32	0.95	0.61	25.80	3.35	0.97	0.00
23.25	3.32	0.95	0.61	25.85	3.35	0.97	0.00
23.30	3.32	0.95	0.61	25.90	3.35	0.97	0.00
23.35	3.33	0.95	0.60	25.95	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.97	0.00	28.60	3.35	0.97	0.00
26.05	3.35	0.97	0.00	28.65	3.35	0.97	0.00
26.10	3.35	0.97	0.00	28.70	3.35	0.97	0.00
26.15	3.35	0.97	0.00	28.75	3.35	0.97	0.00
26.20	3.35	0.97	0.00	28.80	3.35	0.97	0.00
26.25	3.35	0.97	0.00	28.85	3.35	0.97	0.00
26.30	3.35	0.97	0.00	28.90	3.35	0.97	0.00
26.35	3.35	0.97	0.00	28.95	3.35	0.97	0.00
26.40	3.35	0.97	0.00	29.00	3.35	0.97	0.00
26.45	3.35	0.97	0.00	29.05	3.35	0.97	0.00
26.50	3.35	0.97	0.00	29.10	3.35	0.97	0.00
26.55	3.35	0.97	0.00	29.15	3.35	0.97	0.00
26.60	3.35	0.97	0.00	29.20	3.35	0.97	0.00
26.65	3.35	0.97	0.00	29.25	3.35	0.97	0.00
26.70	3.35	0.97	0.00	29.30	3.35	0.97	0.00
26.75	3.35	0.97	0.00	29.35	3.35	0.97	0.00
26.80	3.35	0.97	0.00	29.40	3.35	0.97	0.00
26.85	3.35	0.97	0.00	29.45	3.35	0.97	0.00
26.90	3.35	0.97	0.00	29.50	3.35	0.97	0.00
26.95	3.35	0.97	0.00	29.55	3.35	0.97	0.00
27.00	3.35	0.97	0.00	29.60	3.35	0.97	0.00
27.05	3.35	0.97	0.00	29.65	3.35	0.97	0.00
27.10	3.35	0.97	0.00	29.70	3.35	0.97	0.00
27.15	3.35	0.97	0.00	29.75	3.35	0.97	0.00
27.20	3.35	0.97	0.00	29.80	3.35	0.97	0.00
27.25	3.35	0.97	0.00	29.85	3.35	0.97	0.00
27.30	3.35	0.97	0.00	29.90	3.35	0.97	0.00
27.35	3.35	0.97	0.00	29.95	3.35	0.97	0.00
27.40	3.35	0.97	0.00	30.00	3.35	0.97	0.00
27.45	3.35	0.97	0.00	30.05	3.35	0.97	0.00
27.50	3.35	0.97	0.00	30.10	3.35	0.97	0.00
27.55	3.35	0.97	0.00	30.15	3.35	0.97	0.00
27.60	3.35	0.97	0.00	30.20	3.35	0.97	0.00
27.65	3.35	0.97	0.00	30.25	3.35	0.97	0.00
27.70	3.35	0.97	0.00	30.30	3.35	0.97	0.00
27.75	3.35	0.97	0.00	30.35	3.35	0.97	0.00
27.80	3.35	0.97	0.00	30.40	3.35	0.97	0.00
27.85	3.35	0.97	0.00	30.45	3.35	0.97	0.00
27.90	3.35	0.97	0.00	30.50	3.35	0.97	0.00
27.95	3.35	0.97	0.00	30.55	3.35	0.97	0.00
28.00	3.35	0.97	0.00	30.60	3.35	0.97	0.00
28.05	3.35	0.97	0.00	30.65	3.35	0.97	0.00
28.10	3.35	0.97	0.00	30.70	3.35	0.97	0.00
28.15	3.35	0.97	0.00	30.75	3.35	0.97	0.00
28.20	3.35	0.97	0.00	30.80	3.35	0.97	0.00
28.25	3.35	0.97	0.00	30.85	3.35	0.97	0.00
28.30	3.35	0.97	0.00	30.90	3.35	0.97	0.00
28.35	3.35	0.97	0.00	30.95	3.35	0.97	0.00
28.40	3.35	0.97	0.00	31.00	3.35	0.97	0.00
28.45	3.35	0.97	0.00	31.05	3.35	0.97	0.00
28.50	3.35	0.97	0.00	31.10	3.35	0.97	0.00
28.55	3.35	0.97	0.00	31.15	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.97	0.00	33.80	3.35	0.97	0.00
31.25	3.35	0.97	0.00	33.85	3.35	0.97	0.00
31.30	3.35	0.97	0.00	33.90	3.35	0.97	0.00
31.35	3.35	0.97	0.00	33.95	3.35	0.97	0.00
31.40	3.35	0.97	0.00	34.00	3.35	0.97	0.00
31.45	3.35	0.97	0.00	34.05	3.35	0.97	0.00
31.50	3.35	0.97	0.00	34.10	3.35	0.97	0.00
31.55	3.35	0.97	0.00	34.15	3.35	0.97	0.00
31.60	3.35	0.97	0.00	34.20	3.35	0.97	0.00
31.65	3.35	0.97	0.00	34.25	3.35	0.97	0.00
31.70	3.35	0.97	0.00	34.30	3.35	0.97	0.00
31.75	3.35	0.97	0.00	34.35	3.35	0.97	0.00
31.80	3.35	0.97	0.00	34.40	3.35	0.97	0.00
31.85	3.35	0.97	0.00	34.45	3.35	0.97	0.00
31.90	3.35	0.97	0.00	34.50	3.35	0.97	0.00
31.95	3.35	0.97	0.00	34.55	3.35	0.97	0.00
32.00	3.35	0.97	0.00	34.60	3.35	0.97	0.00
32.05	3.35	0.97	0.00	34.65	3.35	0.97	0.00
32.10	3.35	0.97	0.00	34.70	3.35	0.97	0.00
32.15	3.35	0.97	0.00	34.75	3.35	0.97	0.00
32.20	3.35	0.97	0.00	34.80	3.35	0.97	0.00
32.25	3.35	0.97	0.00	34.85	3.35	0.97	0.00
32.30	3.35	0.97	0.00	34.90	3.35	0.97	0.00
32.35	3.35	0.97	0.00	34.95	3.35	0.97	0.00
32.40	3.35	0.97	0.00	35.00	3.35	0.97	0.00
32.45	3.35	0.97	0.00	35.05	3.35	0.97	0.00
32.50	3.35	0.97	0.00	35.10	3.35	0.97	0.00
32.55	3.35	0.97	0.00	35.15	3.35	0.97	0.00
32.60	3.35	0.97	0.00	35.20	3.35	0.97	0.00
32.65	3.35	0.97	0.00	35.25	3.35	0.97	0.00
32.70	3.35	0.97	0.00	35.30	3.35	0.97	0.00
32.75	3.35	0.97	0.00	35.35	3.35	0.97	0.00
32.80	3.35	0.97	0.00	35.40	3.35	0.97	0.00
32.85	3.35	0.97	0.00	35.45	3.35	0.97	0.00
32.90	3.35	0.97	0.00	35.50	3.35	0.97	0.00
32.95	3.35	0.97	0.00	35.55	3.35	0.97	0.00
33.00	3.35	0.97	0.00	35.60	3.35	0.97	0.00
33.05	3.35	0.97	0.00	35.65	3.35	0.97	0.00
33.10	3.35	0.97	0.00	35.70	3.35	0.97	0.00
33.15	3.35	0.97	0.00	35.75	3.35	0.97	0.00
33.20	3.35	0.97	0.00	35.80	3.35	0.97	0.00
33.25	3.35	0.97	0.00	35.85	3.35	0.97	0.00
33.30	3.35	0.97	0.00	35.90	3.35	0.97	0.00
33.35	3.35	0.97	0.00	35.95	3.35	0.97	0.00
33.40	3.35	0.97	0.00	36.00	3.35	0.97	0.00
33.45	3.35	0.97	0.00	36.05	3.35	0.97	0.00
33.50	3.35	0.97	0.00	36.10	3.35	0.97	0.00
33.55	3.35	0.97	0.00	36.15	3.35	0.97	0.00
33.60	3.35	0.97	0.00	36.20	3.35	0.97	0.00
33.65	3.35	0.97	0.00	36.25	3.35	0.97	0.00
33.70	3.35	0.97	0.00	36.30	3.35	0.97	0.00
33.75	3.35	0.97	0.00	36.35	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.97	0.00	39.00	3.35	0.97	0.00
36.45	3.35	0.97	0.00	39.05	3.35	0.97	0.00
36.50	3.35	0.97	0.00	39.10	3.35	0.97	0.00
36.55	3.35	0.97	0.00	39.15	3.35	0.97	0.00
36.60	3.35	0.97	0.00	39.20	3.35	0.97	0.00
36.65	3.35	0.97	0.00	39.25	3.35	0.97	0.00
36.70	3.35	0.97	0.00	39.30	3.35	0.97	0.00
36.75	3.35	0.97	0.00	39.35	3.35	0.97	0.00
36.80	3.35	0.97	0.00	39.40	3.35	0.97	0.00
36.85	3.35	0.97	0.00	39.45	3.35	0.97	0.00
36.90	3.35	0.97	0.00	39.50	3.35	0.97	0.00
36.95	3.35	0.97	0.00	39.55	3.35	0.97	0.00
37.00	3.35	0.97	0.00	39.60	3.35	0.97	0.00
37.05	3.35	0.97	0.00	39.65	3.35	0.97	0.00
37.10	3.35	0.97	0.00	39.70	3.35	0.97	0.00
37.15	3.35	0.97	0.00	39.75	3.35	0.97	0.00
37.20	3.35	0.97	0.00	39.80	3.35	0.97	0.00
37.25	3.35	0.97	0.00	39.85	3.35	0.97	0.00
37.30	3.35	0.97	0.00	39.90	3.35	0.97	0.00
37.35	3.35	0.97	0.00	39.95	3.35	0.97	0.00
37.40	3.35	0.97	0.00	40.00	3.35	0.97	0.00
37.45	3.35	0.97	0.00				
37.50	3.35	0.97	0.00				
37.55	3.35	0.97	0.00				
37.60	3.35	0.97	0.00				
37.65	3.35	0.97	0.00				
37.70	3.35	0.97	0.00				
37.75	3.35	0.97	0.00				
37.80	3.35	0.97	0.00				
37.85	3.35	0.97	0.00				
37.90	3.35	0.97	0.00				
37.95	3.35	0.97	0.00				
38.00	3.35	0.97	0.00				
38.05	3.35	0.97	0.00				
38.10	3.35	0.97	0.00				
38.15	3.35	0.97	0.00				
38.20	3.35	0.97	0.00				
38.25	3.35	0.97	0.00				
38.30	3.35	0.97	0.00				
38.35	3.35	0.97	0.00				
38.40	3.35	0.97	0.00				
38.45	3.35	0.97	0.00				
38.50	3.35	0.97	0.00				
38.55	3.35	0.97	0.00				
38.60	3.35	0.97	0.00				
38.65	3.35	0.97	0.00				
38.70	3.35	0.97	0.00				
38.75	3.35	0.97	0.00				
38.80	3.35	0.97	0.00				
38.85	3.35	0.97	0.00				
38.90	3.35	0.97	0.00				
38.95	3.35	0.97	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 29.58 cfs @ 12.17 hrs, Volume= 2.280 af, Depth= 0.92"
Routed to Link XDA-6O : XDA-6O

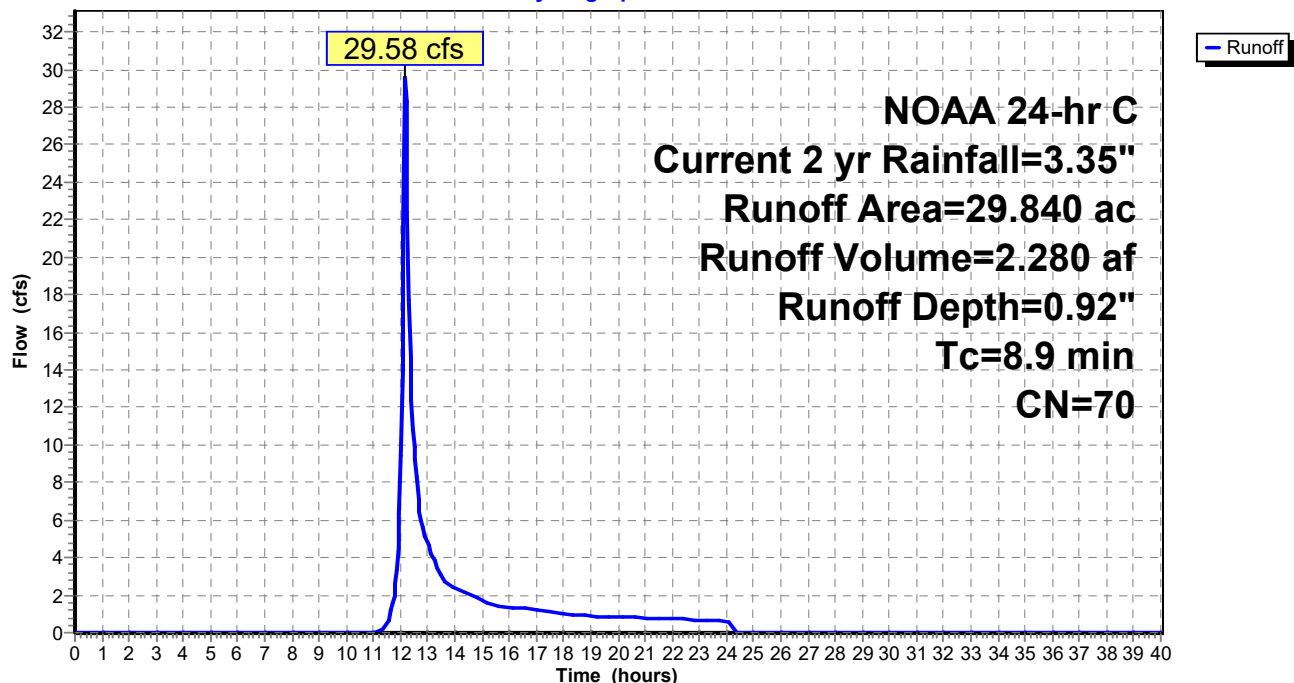
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.48	4.78
10.45	0.68	0.00	0.00	13.05	2.56	0.48	4.56
10.50	0.69	0.00	0.00	13.10	2.57	0.49	4.32
10.55	0.70	0.00	0.00	13.15	2.58	0.50	4.09
10.60	0.71	0.00	0.00	13.20	2.60	0.50	3.91
10.65	0.72	0.00	0.00	13.25	2.61	0.51	3.76
10.70	0.73	0.00	0.00	13.30	2.62	0.51	3.62
10.75	0.74	0.00	0.00	13.35	2.63	0.52	3.49
10.80	0.75	0.00	0.00	13.40	2.64	0.52	3.36
10.85	0.77	0.00	0.00	13.45	2.65	0.53	3.22
10.90	0.78	0.00	0.00	13.50	2.66	0.53	3.09
10.95	0.79	0.00	0.00	13.55	2.67	0.54	2.96
11.00	0.80	0.00	0.00	13.60	2.68	0.54	2.82
11.05	0.82	0.00	0.00	13.65	2.68	0.55	2.69
11.10	0.83	0.00	0.00	13.70	2.69	0.55	2.61
11.15	0.85	0.00	0.00	13.75	2.70	0.55	2.55
11.20	0.87	0.00	0.00	13.80	2.71	0.56	2.51
11.25	0.89	0.00	0.01	13.85	2.72	0.56	2.47
11.30	0.91	0.00	0.04	13.90	2.72	0.57	2.44
11.35	0.93	0.00	0.11	13.95	2.73	0.57	2.41
11.40	0.95	0.00	0.20	14.00	2.74	0.57	2.38
11.45	0.97	0.00	0.30	14.05	2.75	0.58	2.34
11.50	0.99	0.00	0.43	14.10	2.75	0.58	2.31
11.55	1.02	0.01	0.58	14.15	2.76	0.59	2.27
11.60	1.06	0.01	0.85	14.20	2.77	0.59	2.24
11.65	1.09	0.01	1.20	14.25	2.77	0.59	2.21
11.70	1.13	0.02	1.56	14.30	2.78	0.60	2.17
11.75	1.18	0.02	1.96	14.35	2.79	0.60	2.14
11.80	1.23	0.03	2.57	14.40	2.79	0.60	2.10
11.85	1.29	0.04	3.41	14.45	2.80	0.61	2.06
11.90	1.36	0.05	4.61	14.50	2.81	0.61	2.03
11.95	1.48	0.08	6.33	14.55	2.81	0.61	1.99
12.00	1.60	0.11	9.38	14.60	2.82	0.62	1.96
12.05	1.79	0.17	13.97	14.65	2.82	0.62	1.92
12.10	1.99	0.24	21.31	14.70	2.83	0.62	1.88
12.15	2.06	0.26	28.82	14.75	2.84	0.62	1.85
12.20	2.12	0.29	28.29	14.80	2.84	0.63	1.81
12.25	2.17	0.31	22.42	14.85	2.85	0.63	1.77
12.30	2.22	0.33	17.70	14.90	2.85	0.63	1.74
12.35	2.26	0.34	14.67	14.95	2.86	0.64	1.70
12.40	2.29	0.36	12.44	15.00	2.86	0.64	1.66
12.45	2.33	0.38	10.79	15.05	2.87	0.64	1.62
12.50	2.36	0.39	9.86	15.10	2.87	0.64	1.58
12.55	2.38	0.40	9.27	15.15	2.87	0.65	1.55
12.60	2.40	0.41	8.26	15.20	2.88	0.65	1.53
12.65	2.42	0.42	7.11	15.25	2.88	0.65	1.51
12.70	2.44	0.43	6.40	15.30	2.89	0.65	1.50
12.75	2.46	0.44	6.00	15.35	2.89	0.66	1.49
12.80	2.48	0.45	5.72	15.40	2.90	0.66	1.48
12.85	2.50	0.45	5.48	15.45	2.90	0.66	1.47
12.90	2.52	0.46	5.24	15.50	2.91	0.66	1.46
12.95	2.53	0.47	5.02	15.55	2.91	0.67	1.45

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.67	1.44	18.20	3.10	0.77	0.92
15.65	2.92	0.67	1.43	18.25	3.10	0.77	0.92
15.70	2.92	0.67	1.42	18.30	3.10	0.77	0.92
15.75	2.93	0.67	1.41	18.35	3.10	0.77	0.91
15.80	2.93	0.68	1.40	18.40	3.11	0.77	0.91
15.85	2.94	0.68	1.39	18.45	3.11	0.78	0.91
15.90	2.94	0.68	1.38	18.50	3.11	0.78	0.91
15.95	2.94	0.68	1.38	18.55	3.11	0.78	0.90
16.00	2.95	0.69	1.37	18.60	3.12	0.78	0.90
16.05	2.95	0.69	1.36	18.65	3.12	0.78	0.90
16.10	2.96	0.69	1.35	18.70	3.12	0.78	0.90
16.15	2.96	0.69	1.34	18.75	3.12	0.78	0.89
16.20	2.96	0.69	1.33	18.80	3.13	0.79	0.89
16.25	2.97	0.70	1.32	18.85	3.13	0.79	0.89
16.30	2.97	0.70	1.31	18.90	3.13	0.79	0.89
16.35	2.98	0.70	1.30	18.95	3.13	0.79	0.89
16.40	2.98	0.70	1.29	19.00	3.14	0.79	0.88
16.45	2.98	0.71	1.28	19.05	3.14	0.79	0.88
16.50	2.99	0.71	1.27	19.10	3.14	0.79	0.88
16.55	2.99	0.71	1.26	19.15	3.14	0.80	0.88
16.60	3.00	0.71	1.25	19.20	3.15	0.80	0.87
16.65	3.00	0.71	1.24	19.25	3.15	0.80	0.87
16.70	3.00	0.72	1.23	19.30	3.15	0.80	0.87
16.75	3.01	0.72	1.22	19.35	3.15	0.80	0.87
16.80	3.01	0.72	1.21	19.40	3.16	0.80	0.86
16.85	3.01	0.72	1.20	19.45	3.16	0.80	0.86
16.90	3.02	0.72	1.19	19.50	3.16	0.81	0.86
16.95	3.02	0.73	1.18	19.55	3.16	0.81	0.86
17.00	3.02	0.73	1.17	19.60	3.17	0.81	0.85
17.05	3.03	0.73	1.16	19.65	3.17	0.81	0.85
17.10	3.03	0.73	1.15	19.70	3.17	0.81	0.85
17.15	3.03	0.73	1.14	19.75	3.17	0.81	0.85
17.20	3.04	0.73	1.13	19.80	3.18	0.81	0.85
17.25	3.04	0.74	1.12	19.85	3.18	0.82	0.85
17.30	3.04	0.74	1.11	19.90	3.18	0.82	0.84
17.35	3.05	0.74	1.10	19.95	3.18	0.82	0.84
17.40	3.05	0.74	1.09	20.00	3.19	0.82	0.84
17.45	3.05	0.74	1.08	20.05	3.19	0.82	0.83
17.50	3.06	0.75	1.07	20.10	3.19	0.82	0.83
17.55	3.06	0.75	1.06	20.15	3.19	0.82	0.83
17.60	3.06	0.75	1.05	20.20	3.20	0.83	0.82
17.65	3.06	0.75	1.04	20.25	3.20	0.83	0.82
17.70	3.07	0.75	1.03	20.30	3.20	0.83	0.82
17.75	3.07	0.75	1.02	20.35	3.20	0.83	0.82
17.80	3.07	0.76	1.00	20.40	3.20	0.83	0.81
17.85	3.08	0.76	0.99	20.45	3.21	0.83	0.81
17.90	3.08	0.76	0.98	20.50	3.21	0.83	0.81
17.95	3.08	0.76	0.97	20.55	3.21	0.83	0.81
18.00	3.08	0.76	0.96	20.60	3.21	0.84	0.81
18.05	3.09	0.76	0.95	20.65	3.22	0.84	0.81
18.10	3.09	0.76	0.94	20.70	3.22	0.84	0.80
18.15	3.09	0.77	0.93	20.75	3.22	0.84	0.80

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.84	0.79	23.40	3.33	0.90	0.66
20.85	3.23	0.84	0.79	23.45	3.33	0.90	0.66
20.90	3.23	0.84	0.79	23.50	3.33	0.91	0.65
20.95	3.23	0.85	0.79	23.55	3.33	0.91	0.65
21.00	3.23	0.85	0.78	23.60	3.34	0.91	0.64
21.05	3.23	0.85	0.78	23.65	3.34	0.91	0.64
21.10	3.24	0.85	0.78	23.70	3.34	0.91	0.64
21.15	3.24	0.85	0.78	23.75	3.34	0.91	0.64
21.20	3.24	0.85	0.77	23.80	3.34	0.91	0.64
21.25	3.24	0.85	0.77	23.85	3.34	0.91	0.63
21.30	3.24	0.85	0.77	23.90	3.35	0.91	0.63
21.35	3.25	0.86	0.77	23.95	3.35	0.92	0.63
21.40	3.25	0.86	0.77	24.00	3.35	0.92	0.67
21.45	3.25	0.86	0.76	24.05	3.35	0.92	0.68
21.50	3.25	0.86	0.76	24.10	3.35	0.92	0.51
21.55	3.26	0.86	0.76	24.15	3.35	0.92	0.26
21.60	3.26	0.86	0.75	24.20	3.35	0.92	0.11
21.65	3.26	0.86	0.75	24.25	3.35	0.92	0.05
21.70	3.26	0.86	0.75	24.30	3.35	0.92	0.02
21.75	3.26	0.87	0.74	24.35	3.35	0.92	0.01
21.80	3.27	0.87	0.74	24.40	3.35	0.92	0.00
21.85	3.27	0.87	0.74	24.45	3.35	0.92	0.00
21.90	3.27	0.87	0.74	24.50	3.35	0.92	0.00
21.95	3.27	0.87	0.74	24.55	3.35	0.92	0.00
22.00	3.27	0.87	0.73	24.60	3.35	0.92	0.00
22.05	3.28	0.87	0.73	24.65	3.35	0.92	0.00
22.10	3.28	0.87	0.73	24.70	3.35	0.92	0.00
22.15	3.28	0.88	0.72	24.75	3.35	0.92	0.00
22.20	3.28	0.88	0.72	24.80	3.35	0.92	0.00
22.25	3.28	0.88	0.72	24.85	3.35	0.92	0.00
22.30	3.29	0.88	0.72	24.90	3.35	0.92	0.00
22.35	3.29	0.88	0.71	24.95	3.35	0.92	0.00
22.40	3.29	0.88	0.71	25.00	3.35	0.92	0.00
22.45	3.29	0.88	0.71	25.05	3.35	0.92	0.00
22.50	3.29	0.88	0.70	25.10	3.35	0.92	0.00
22.55	3.30	0.88	0.70	25.15	3.35	0.92	0.00
22.60	3.30	0.89	0.70	25.20	3.35	0.92	0.00
22.65	3.30	0.89	0.70	25.25	3.35	0.92	0.00
22.70	3.30	0.89	0.70	25.30	3.35	0.92	0.00
22.75	3.30	0.89	0.69	25.35	3.35	0.92	0.00
22.80	3.31	0.89	0.69	25.40	3.35	0.92	0.00
22.85	3.31	0.89	0.69	25.45	3.35	0.92	0.00
22.90	3.31	0.89	0.68	25.50	3.35	0.92	0.00
22.95	3.31	0.89	0.68	25.55	3.35	0.92	0.00
23.00	3.31	0.89	0.68	25.60	3.35	0.92	0.00
23.05	3.32	0.90	0.68	25.65	3.35	0.92	0.00
23.10	3.32	0.90	0.67	25.70	3.35	0.92	0.00
23.15	3.32	0.90	0.67	25.75	3.35	0.92	0.00
23.20	3.32	0.90	0.67	25.80	3.35	0.92	0.00
23.25	3.32	0.90	0.66	25.85	3.35	0.92	0.00
23.30	3.32	0.90	0.66	25.90	3.35	0.92	0.00
23.35	3.33	0.90	0.66	25.95	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.92	0.00	28.60	3.35	0.92	0.00
26.05	3.35	0.92	0.00	28.65	3.35	0.92	0.00
26.10	3.35	0.92	0.00	28.70	3.35	0.92	0.00
26.15	3.35	0.92	0.00	28.75	3.35	0.92	0.00
26.20	3.35	0.92	0.00	28.80	3.35	0.92	0.00
26.25	3.35	0.92	0.00	28.85	3.35	0.92	0.00
26.30	3.35	0.92	0.00	28.90	3.35	0.92	0.00
26.35	3.35	0.92	0.00	28.95	3.35	0.92	0.00
26.40	3.35	0.92	0.00	29.00	3.35	0.92	0.00
26.45	3.35	0.92	0.00	29.05	3.35	0.92	0.00
26.50	3.35	0.92	0.00	29.10	3.35	0.92	0.00
26.55	3.35	0.92	0.00	29.15	3.35	0.92	0.00
26.60	3.35	0.92	0.00	29.20	3.35	0.92	0.00
26.65	3.35	0.92	0.00	29.25	3.35	0.92	0.00
26.70	3.35	0.92	0.00	29.30	3.35	0.92	0.00
26.75	3.35	0.92	0.00	29.35	3.35	0.92	0.00
26.80	3.35	0.92	0.00	29.40	3.35	0.92	0.00
26.85	3.35	0.92	0.00	29.45	3.35	0.92	0.00
26.90	3.35	0.92	0.00	29.50	3.35	0.92	0.00
26.95	3.35	0.92	0.00	29.55	3.35	0.92	0.00
27.00	3.35	0.92	0.00	29.60	3.35	0.92	0.00
27.05	3.35	0.92	0.00	29.65	3.35	0.92	0.00
27.10	3.35	0.92	0.00	29.70	3.35	0.92	0.00
27.15	3.35	0.92	0.00	29.75	3.35	0.92	0.00
27.20	3.35	0.92	0.00	29.80	3.35	0.92	0.00
27.25	3.35	0.92	0.00	29.85	3.35	0.92	0.00
27.30	3.35	0.92	0.00	29.90	3.35	0.92	0.00
27.35	3.35	0.92	0.00	29.95	3.35	0.92	0.00
27.40	3.35	0.92	0.00	30.00	3.35	0.92	0.00
27.45	3.35	0.92	0.00	30.05	3.35	0.92	0.00
27.50	3.35	0.92	0.00	30.10	3.35	0.92	0.00
27.55	3.35	0.92	0.00	30.15	3.35	0.92	0.00
27.60	3.35	0.92	0.00	30.20	3.35	0.92	0.00
27.65	3.35	0.92	0.00	30.25	3.35	0.92	0.00
27.70	3.35	0.92	0.00	30.30	3.35	0.92	0.00
27.75	3.35	0.92	0.00	30.35	3.35	0.92	0.00
27.80	3.35	0.92	0.00	30.40	3.35	0.92	0.00
27.85	3.35	0.92	0.00	30.45	3.35	0.92	0.00
27.90	3.35	0.92	0.00	30.50	3.35	0.92	0.00
27.95	3.35	0.92	0.00	30.55	3.35	0.92	0.00
28.00	3.35	0.92	0.00	30.60	3.35	0.92	0.00
28.05	3.35	0.92	0.00	30.65	3.35	0.92	0.00
28.10	3.35	0.92	0.00	30.70	3.35	0.92	0.00
28.15	3.35	0.92	0.00	30.75	3.35	0.92	0.00
28.20	3.35	0.92	0.00	30.80	3.35	0.92	0.00
28.25	3.35	0.92	0.00	30.85	3.35	0.92	0.00
28.30	3.35	0.92	0.00	30.90	3.35	0.92	0.00
28.35	3.35	0.92	0.00	30.95	3.35	0.92	0.00
28.40	3.35	0.92	0.00	31.00	3.35	0.92	0.00
28.45	3.35	0.92	0.00	31.05	3.35	0.92	0.00
28.50	3.35	0.92	0.00	31.10	3.35	0.92	0.00
28.55	3.35	0.92	0.00	31.15	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.92	0.00	33.80	3.35	0.92	0.00
31.25	3.35	0.92	0.00	33.85	3.35	0.92	0.00
31.30	3.35	0.92	0.00	33.90	3.35	0.92	0.00
31.35	3.35	0.92	0.00	33.95	3.35	0.92	0.00
31.40	3.35	0.92	0.00	34.00	3.35	0.92	0.00
31.45	3.35	0.92	0.00	34.05	3.35	0.92	0.00
31.50	3.35	0.92	0.00	34.10	3.35	0.92	0.00
31.55	3.35	0.92	0.00	34.15	3.35	0.92	0.00
31.60	3.35	0.92	0.00	34.20	3.35	0.92	0.00
31.65	3.35	0.92	0.00	34.25	3.35	0.92	0.00
31.70	3.35	0.92	0.00	34.30	3.35	0.92	0.00
31.75	3.35	0.92	0.00	34.35	3.35	0.92	0.00
31.80	3.35	0.92	0.00	34.40	3.35	0.92	0.00
31.85	3.35	0.92	0.00	34.45	3.35	0.92	0.00
31.90	3.35	0.92	0.00	34.50	3.35	0.92	0.00
31.95	3.35	0.92	0.00	34.55	3.35	0.92	0.00
32.00	3.35	0.92	0.00	34.60	3.35	0.92	0.00
32.05	3.35	0.92	0.00	34.65	3.35	0.92	0.00
32.10	3.35	0.92	0.00	34.70	3.35	0.92	0.00
32.15	3.35	0.92	0.00	34.75	3.35	0.92	0.00
32.20	3.35	0.92	0.00	34.80	3.35	0.92	0.00
32.25	3.35	0.92	0.00	34.85	3.35	0.92	0.00
32.30	3.35	0.92	0.00	34.90	3.35	0.92	0.00
32.35	3.35	0.92	0.00	34.95	3.35	0.92	0.00
32.40	3.35	0.92	0.00	35.00	3.35	0.92	0.00
32.45	3.35	0.92	0.00	35.05	3.35	0.92	0.00
32.50	3.35	0.92	0.00	35.10	3.35	0.92	0.00
32.55	3.35	0.92	0.00	35.15	3.35	0.92	0.00
32.60	3.35	0.92	0.00	35.20	3.35	0.92	0.00
32.65	3.35	0.92	0.00	35.25	3.35	0.92	0.00
32.70	3.35	0.92	0.00	35.30	3.35	0.92	0.00
32.75	3.35	0.92	0.00	35.35	3.35	0.92	0.00
32.80	3.35	0.92	0.00	35.40	3.35	0.92	0.00
32.85	3.35	0.92	0.00	35.45	3.35	0.92	0.00
32.90	3.35	0.92	0.00	35.50	3.35	0.92	0.00
32.95	3.35	0.92	0.00	35.55	3.35	0.92	0.00
33.00	3.35	0.92	0.00	35.60	3.35	0.92	0.00
33.05	3.35	0.92	0.00	35.65	3.35	0.92	0.00
33.10	3.35	0.92	0.00	35.70	3.35	0.92	0.00
33.15	3.35	0.92	0.00	35.75	3.35	0.92	0.00
33.20	3.35	0.92	0.00	35.80	3.35	0.92	0.00
33.25	3.35	0.92	0.00	35.85	3.35	0.92	0.00
33.30	3.35	0.92	0.00	35.90	3.35	0.92	0.00
33.35	3.35	0.92	0.00	35.95	3.35	0.92	0.00
33.40	3.35	0.92	0.00	36.00	3.35	0.92	0.00
33.45	3.35	0.92	0.00	36.05	3.35	0.92	0.00
33.50	3.35	0.92	0.00	36.10	3.35	0.92	0.00
33.55	3.35	0.92	0.00	36.15	3.35	0.92	0.00
33.60	3.35	0.92	0.00	36.20	3.35	0.92	0.00
33.65	3.35	0.92	0.00	36.25	3.35	0.92	0.00
33.70	3.35	0.92	0.00	36.30	3.35	0.92	0.00
33.75	3.35	0.92	0.00	36.35	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.92	0.00	39.00	3.35	0.92	0.00
36.45	3.35	0.92	0.00	39.05	3.35	0.92	0.00
36.50	3.35	0.92	0.00	39.10	3.35	0.92	0.00
36.55	3.35	0.92	0.00	39.15	3.35	0.92	0.00
36.60	3.35	0.92	0.00	39.20	3.35	0.92	0.00
36.65	3.35	0.92	0.00	39.25	3.35	0.92	0.00
36.70	3.35	0.92	0.00	39.30	3.35	0.92	0.00
36.75	3.35	0.92	0.00	39.35	3.35	0.92	0.00
36.80	3.35	0.92	0.00	39.40	3.35	0.92	0.00
36.85	3.35	0.92	0.00	39.45	3.35	0.92	0.00
36.90	3.35	0.92	0.00	39.50	3.35	0.92	0.00
36.95	3.35	0.92	0.00	39.55	3.35	0.92	0.00
37.00	3.35	0.92	0.00	39.60	3.35	0.92	0.00
37.05	3.35	0.92	0.00	39.65	3.35	0.92	0.00
37.10	3.35	0.92	0.00	39.70	3.35	0.92	0.00
37.15	3.35	0.92	0.00	39.75	3.35	0.92	0.00
37.20	3.35	0.92	0.00	39.80	3.35	0.92	0.00
37.25	3.35	0.92	0.00	39.85	3.35	0.92	0.00
37.30	3.35	0.92	0.00	39.90	3.35	0.92	0.00
37.35	3.35	0.92	0.00	39.95	3.35	0.92	0.00
37.40	3.35	0.92	0.00	40.00	3.35	0.92	0.00
37.45	3.35	0.92	0.00				
37.50	3.35	0.92	0.00				
37.55	3.35	0.92	0.00				
37.60	3.35	0.92	0.00				
37.65	3.35	0.92	0.00				
37.70	3.35	0.92	0.00				
37.75	3.35	0.92	0.00				
37.80	3.35	0.92	0.00				
37.85	3.35	0.92	0.00				
37.90	3.35	0.92	0.00				
37.95	3.35	0.92	0.00				
38.00	3.35	0.92	0.00				
38.05	3.35	0.92	0.00				
38.10	3.35	0.92	0.00				
38.15	3.35	0.92	0.00				
38.20	3.35	0.92	0.00				
38.25	3.35	0.92	0.00				
38.30	3.35	0.92	0.00				
38.35	3.35	0.92	0.00				
38.40	3.35	0.92	0.00				
38.45	3.35	0.92	0.00				
38.50	3.35	0.92	0.00				
38.55	3.35	0.92	0.00				
38.60	3.35	0.92	0.00				
38.65	3.35	0.92	0.00				
38.70	3.35	0.92	0.00				
38.75	3.35	0.92	0.00				
38.80	3.35	0.92	0.00				
38.85	3.35	0.92	0.00				
38.90	3.35	0.92	0.00				
38.95	3.35	0.92	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 1.71 cfs @ 12.21 hrs, Volume= 0.185 af, Depth= 0.47"

Routed to Link XDA-4 : Existing Drainage Area #4

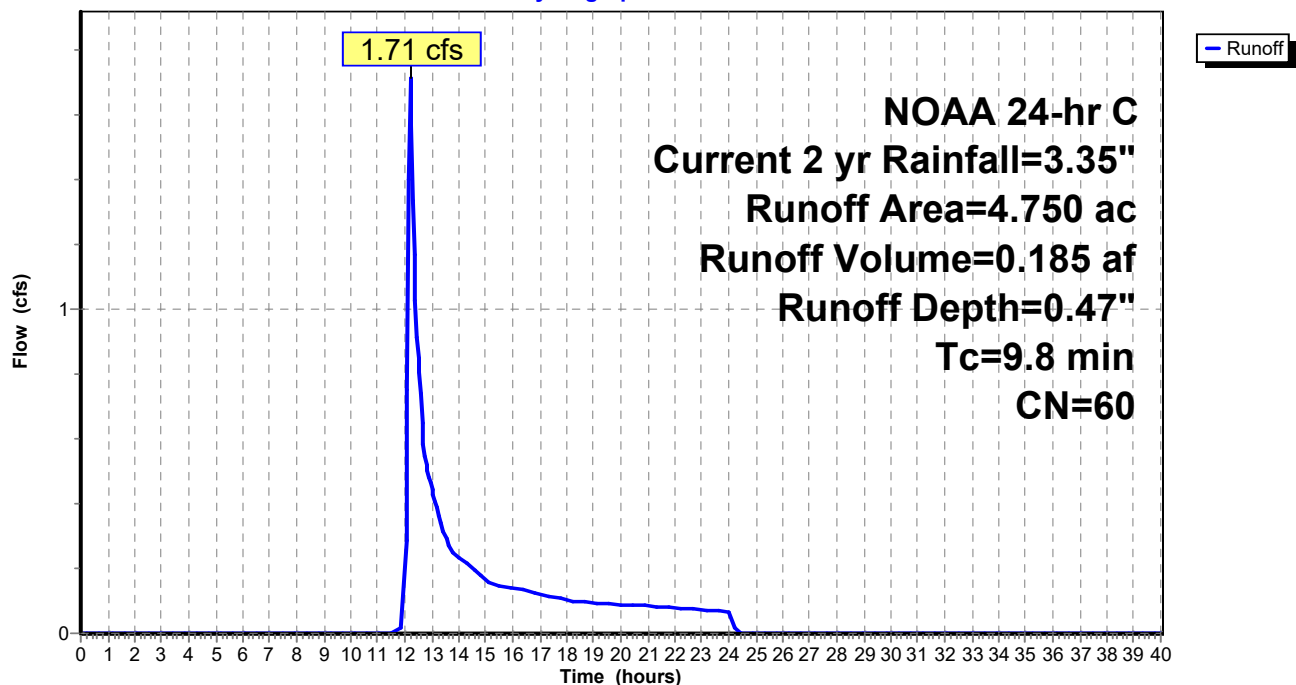
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.19	0.45
10.45	0.68	0.00	0.00	13.05	2.56	0.19	0.43
10.50	0.69	0.00	0.00	13.10	2.57	0.19	0.41
10.55	0.70	0.00	0.00	13.15	2.58	0.20	0.39
10.60	0.71	0.00	0.00	13.20	2.60	0.20	0.37
10.65	0.72	0.00	0.00	13.25	2.61	0.20	0.36
10.70	0.73	0.00	0.00	13.30	2.62	0.21	0.34
10.75	0.74	0.00	0.00	13.35	2.63	0.21	0.33
10.80	0.75	0.00	0.00	13.40	2.64	0.21	0.32
10.85	0.77	0.00	0.00	13.45	2.65	0.22	0.31
10.90	0.78	0.00	0.00	13.50	2.66	0.22	0.30
10.95	0.79	0.00	0.00	13.55	2.67	0.22	0.29
11.00	0.80	0.00	0.00	13.60	2.68	0.23	0.27
11.05	0.82	0.00	0.00	13.65	2.68	0.23	0.26
11.10	0.83	0.00	0.00	13.70	2.69	0.23	0.25
11.15	0.85	0.00	0.00	13.75	2.70	0.23	0.25
11.20	0.87	0.00	0.00	13.80	2.71	0.24	0.24
11.25	0.89	0.00	0.00	13.85	2.72	0.24	0.24
11.30	0.91	0.00	0.00	13.90	2.72	0.24	0.24
11.35	0.93	0.00	0.00	13.95	2.73	0.24	0.24
11.40	0.95	0.00	0.00	14.00	2.74	0.24	0.23
11.45	0.97	0.00	0.00	14.05	2.75	0.25	0.23
11.50	0.99	0.00	0.00	14.10	2.75	0.25	0.23
11.55	1.02	0.00	0.00	14.15	2.76	0.25	0.22
11.60	1.06	0.00	0.00	14.20	2.77	0.25	0.22
11.65	1.09	0.00	0.00	14.25	2.77	0.26	0.22
11.70	1.13	0.00	0.00	14.30	2.78	0.26	0.21
11.75	1.18	0.00	0.00	14.35	2.79	0.26	0.21
11.80	1.23	0.00	0.00	14.40	2.79	0.26	0.21
11.85	1.29	0.00	0.00	14.45	2.80	0.26	0.20
11.90	1.36	0.00	0.00	14.50	2.81	0.27	0.20
11.95	1.48	0.00	0.01	14.55	2.81	0.27	0.20
12.00	1.60	0.01	0.08	14.60	2.82	0.27	0.20
12.05	1.79	0.03	0.29	14.65	2.82	0.27	0.19
12.10	1.99	0.06	0.75	14.70	2.83	0.27	0.19
12.15	2.06	0.07	1.40	14.75	2.84	0.28	0.18
12.20	2.12	0.08	1.70	14.80	2.84	0.28	0.18
12.25	2.17	0.09	1.56	14.85	2.85	0.28	0.18
12.30	2.22	0.10	1.33	14.90	2.85	0.28	0.17
12.35	2.26	0.11	1.16	14.95	2.86	0.28	0.17
12.40	2.29	0.12	1.03	15.00	2.86	0.28	0.17
12.45	2.33	0.13	0.92	15.05	2.87	0.29	0.16
12.50	2.36	0.14	0.85	15.10	2.87	0.29	0.16
12.55	2.38	0.14	0.81	15.15	2.87	0.29	0.16
12.60	2.40	0.15	0.74	15.20	2.88	0.29	0.15
12.65	2.42	0.15	0.65	15.25	2.88	0.29	0.15
12.70	2.44	0.16	0.58	15.30	2.89	0.29	0.15
12.75	2.46	0.16	0.55	15.35	2.89	0.30	0.15
12.80	2.48	0.17	0.52	15.40	2.90	0.30	0.15
12.85	2.50	0.17	0.50	15.45	2.90	0.30	0.15
12.90	2.52	0.18	0.48	15.50	2.91	0.30	0.15
12.95	2.53	0.18	0.46	15.55	2.91	0.30	0.15

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.30	0.15	18.20	3.10	0.37	0.10
15.65	2.92	0.30	0.15	18.25	3.10	0.37	0.10
15.70	2.92	0.31	0.14	18.30	3.10	0.37	0.10
15.75	2.93	0.31	0.14	18.35	3.10	0.37	0.10
15.80	2.93	0.31	0.14	18.40	3.11	0.37	0.10
15.85	2.94	0.31	0.14	18.45	3.11	0.37	0.10
15.90	2.94	0.31	0.14	18.50	3.11	0.37	0.10
15.95	2.94	0.31	0.14	18.55	3.11	0.38	0.10
16.00	2.95	0.32	0.14	18.60	3.12	0.38	0.09
16.05	2.95	0.32	0.14	18.65	3.12	0.38	0.09
16.10	2.96	0.32	0.14	18.70	3.12	0.38	0.09
16.15	2.96	0.32	0.14	18.75	3.12	0.38	0.09
16.20	2.96	0.32	0.14	18.80	3.13	0.38	0.09
16.25	2.97	0.32	0.14	18.85	3.13	0.38	0.09
16.30	2.97	0.32	0.13	18.90	3.13	0.38	0.09
16.35	2.98	0.32	0.13	18.95	3.13	0.38	0.09
16.40	2.98	0.33	0.13	19.00	3.14	0.38	0.09
16.45	2.98	0.33	0.13	19.05	3.14	0.39	0.09
16.50	2.99	0.33	0.13	19.10	3.14	0.39	0.09
16.55	2.99	0.33	0.13	19.15	3.14	0.39	0.09
16.60	3.00	0.33	0.13	19.20	3.15	0.39	0.09
16.65	3.00	0.33	0.13	19.25	3.15	0.39	0.09
16.70	3.00	0.33	0.13	19.30	3.15	0.39	0.09
16.75	3.01	0.34	0.13	19.35	3.15	0.39	0.09
16.80	3.01	0.34	0.13	19.40	3.16	0.39	0.09
16.85	3.01	0.34	0.12	19.45	3.16	0.39	0.09
16.90	3.02	0.34	0.12	19.50	3.16	0.39	0.09
16.95	3.02	0.34	0.12	19.55	3.16	0.39	0.09
17.00	3.02	0.34	0.12	19.60	3.17	0.40	0.09
17.05	3.03	0.34	0.12	19.65	3.17	0.40	0.09
17.10	3.03	0.34	0.12	19.70	3.17	0.40	0.09
17.15	3.03	0.35	0.12	19.75	3.17	0.40	0.09
17.20	3.04	0.35	0.12	19.80	3.18	0.40	0.09
17.25	3.04	0.35	0.12	19.85	3.18	0.40	0.09
17.30	3.04	0.35	0.12	19.90	3.18	0.40	0.09
17.35	3.05	0.35	0.11	19.95	3.18	0.40	0.09
17.40	3.05	0.35	0.11	20.00	3.19	0.40	0.09
17.45	3.05	0.35	0.11	20.05	3.19	0.40	0.09
17.50	3.06	0.35	0.11	20.10	3.19	0.40	0.09
17.55	3.06	0.35	0.11	20.15	3.19	0.41	0.09
17.60	3.06	0.36	0.11	20.20	3.20	0.41	0.09
17.65	3.06	0.36	0.11	20.25	3.20	0.41	0.09
17.70	3.07	0.36	0.11	20.30	3.20	0.41	0.09
17.75	3.07	0.36	0.11	20.35	3.20	0.41	0.09
17.80	3.07	0.36	0.11	20.40	3.20	0.41	0.09
17.85	3.08	0.36	0.10	20.45	3.21	0.41	0.09
17.90	3.08	0.36	0.10	20.50	3.21	0.41	0.09
17.95	3.08	0.36	0.10	20.55	3.21	0.41	0.09
18.00	3.08	0.36	0.10	20.60	3.21	0.41	0.09
18.05	3.09	0.37	0.10	20.65	3.22	0.41	0.09
18.10	3.09	0.37	0.10	20.70	3.22	0.42	0.09
18.15	3.09	0.37	0.10	20.75	3.22	0.42	0.09

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.42	0.08	23.40	3.33	0.46	0.07
20.85	3.23	0.42	0.08	23.45	3.33	0.46	0.07
20.90	3.23	0.42	0.08	23.50	3.33	0.46	0.07
20.95	3.23	0.42	0.08	23.55	3.33	0.46	0.07
21.00	3.23	0.42	0.08	23.60	3.34	0.46	0.07
21.05	3.23	0.42	0.08	23.65	3.34	0.46	0.07
21.10	3.24	0.42	0.08	23.70	3.34	0.46	0.07
21.15	3.24	0.42	0.08	23.75	3.34	0.46	0.07
21.20	3.24	0.42	0.08	23.80	3.34	0.47	0.07
21.25	3.24	0.43	0.08	23.85	3.34	0.47	0.07
21.30	3.24	0.43	0.08	23.90	3.35	0.47	0.07
21.35	3.25	0.43	0.08	23.95	3.35	0.47	0.07
21.40	3.25	0.43	0.08	24.00	3.35	0.47	0.07
21.45	3.25	0.43	0.08	24.05	3.35	0.47	0.07
21.50	3.25	0.43	0.08	24.10	3.35	0.47	0.06
21.55	3.26	0.43	0.08	24.15	3.35	0.47	0.03
21.60	3.26	0.43	0.08	24.20	3.35	0.47	0.02
21.65	3.26	0.43	0.08	24.25	3.35	0.47	0.01
21.70	3.26	0.43	0.08	24.30	3.35	0.47	0.00
21.75	3.26	0.43	0.08	24.35	3.35	0.47	0.00
21.80	3.27	0.43	0.08	24.40	3.35	0.47	0.00
21.85	3.27	0.44	0.08	24.45	3.35	0.47	0.00
21.90	3.27	0.44	0.08	24.50	3.35	0.47	0.00
21.95	3.27	0.44	0.08	24.55	3.35	0.47	0.00
22.00	3.27	0.44	0.08	24.60	3.35	0.47	0.00
22.05	3.28	0.44	0.08	24.65	3.35	0.47	0.00
22.10	3.28	0.44	0.08	24.70	3.35	0.47	0.00
22.15	3.28	0.44	0.08	24.75	3.35	0.47	0.00
22.20	3.28	0.44	0.08	24.80	3.35	0.47	0.00
22.25	3.28	0.44	0.08	24.85	3.35	0.47	0.00
22.30	3.29	0.44	0.08	24.90	3.35	0.47	0.00
22.35	3.29	0.44	0.08	24.95	3.35	0.47	0.00
22.40	3.29	0.44	0.08	25.00	3.35	0.47	0.00
22.45	3.29	0.44	0.08	25.05	3.35	0.47	0.00
22.50	3.29	0.45	0.08	25.10	3.35	0.47	0.00
22.55	3.30	0.45	0.08	25.15	3.35	0.47	0.00
22.60	3.30	0.45	0.08	25.20	3.35	0.47	0.00
22.65	3.30	0.45	0.08	25.25	3.35	0.47	0.00
22.70	3.30	0.45	0.08	25.30	3.35	0.47	0.00
22.75	3.30	0.45	0.07	25.35	3.35	0.47	0.00
22.80	3.31	0.45	0.07	25.40	3.35	0.47	0.00
22.85	3.31	0.45	0.07	25.45	3.35	0.47	0.00
22.90	3.31	0.45	0.07	25.50	3.35	0.47	0.00
22.95	3.31	0.45	0.07	25.55	3.35	0.47	0.00
23.00	3.31	0.45	0.07	25.60	3.35	0.47	0.00
23.05	3.32	0.45	0.07	25.65	3.35	0.47	0.00
23.10	3.32	0.45	0.07	25.70	3.35	0.47	0.00
23.15	3.32	0.46	0.07	25.75	3.35	0.47	0.00
23.20	3.32	0.46	0.07	25.80	3.35	0.47	0.00
23.25	3.32	0.46	0.07	25.85	3.35	0.47	0.00
23.30	3.32	0.46	0.07	25.90	3.35	0.47	0.00
23.35	3.33	0.46	0.07	25.95	3.35	0.47	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.47	0.00	28.60	3.35	0.47	0.00
26.05	3.35	0.47	0.00	28.65	3.35	0.47	0.00
26.10	3.35	0.47	0.00	28.70	3.35	0.47	0.00
26.15	3.35	0.47	0.00	28.75	3.35	0.47	0.00
26.20	3.35	0.47	0.00	28.80	3.35	0.47	0.00
26.25	3.35	0.47	0.00	28.85	3.35	0.47	0.00
26.30	3.35	0.47	0.00	28.90	3.35	0.47	0.00
26.35	3.35	0.47	0.00	28.95	3.35	0.47	0.00
26.40	3.35	0.47	0.00	29.00	3.35	0.47	0.00
26.45	3.35	0.47	0.00	29.05	3.35	0.47	0.00
26.50	3.35	0.47	0.00	29.10	3.35	0.47	0.00
26.55	3.35	0.47	0.00	29.15	3.35	0.47	0.00
26.60	3.35	0.47	0.00	29.20	3.35	0.47	0.00
26.65	3.35	0.47	0.00	29.25	3.35	0.47	0.00
26.70	3.35	0.47	0.00	29.30	3.35	0.47	0.00
26.75	3.35	0.47	0.00	29.35	3.35	0.47	0.00
26.80	3.35	0.47	0.00	29.40	3.35	0.47	0.00
26.85	3.35	0.47	0.00	29.45	3.35	0.47	0.00
26.90	3.35	0.47	0.00	29.50	3.35	0.47	0.00
26.95	3.35	0.47	0.00	29.55	3.35	0.47	0.00
27.00	3.35	0.47	0.00	29.60	3.35	0.47	0.00
27.05	3.35	0.47	0.00	29.65	3.35	0.47	0.00
27.10	3.35	0.47	0.00	29.70	3.35	0.47	0.00
27.15	3.35	0.47	0.00	29.75	3.35	0.47	0.00
27.20	3.35	0.47	0.00	29.80	3.35	0.47	0.00
27.25	3.35	0.47	0.00	29.85	3.35	0.47	0.00
27.30	3.35	0.47	0.00	29.90	3.35	0.47	0.00
27.35	3.35	0.47	0.00	29.95	3.35	0.47	0.00
27.40	3.35	0.47	0.00	30.00	3.35	0.47	0.00
27.45	3.35	0.47	0.00	30.05	3.35	0.47	0.00
27.50	3.35	0.47	0.00	30.10	3.35	0.47	0.00
27.55	3.35	0.47	0.00	30.15	3.35	0.47	0.00
27.60	3.35	0.47	0.00	30.20	3.35	0.47	0.00
27.65	3.35	0.47	0.00	30.25	3.35	0.47	0.00
27.70	3.35	0.47	0.00	30.30	3.35	0.47	0.00
27.75	3.35	0.47	0.00	30.35	3.35	0.47	0.00
27.80	3.35	0.47	0.00	30.40	3.35	0.47	0.00
27.85	3.35	0.47	0.00	30.45	3.35	0.47	0.00
27.90	3.35	0.47	0.00	30.50	3.35	0.47	0.00
27.95	3.35	0.47	0.00	30.55	3.35	0.47	0.00
28.00	3.35	0.47	0.00	30.60	3.35	0.47	0.00
28.05	3.35	0.47	0.00	30.65	3.35	0.47	0.00
28.10	3.35	0.47	0.00	30.70	3.35	0.47	0.00
28.15	3.35	0.47	0.00	30.75	3.35	0.47	0.00
28.20	3.35	0.47	0.00	30.80	3.35	0.47	0.00
28.25	3.35	0.47	0.00	30.85	3.35	0.47	0.00
28.30	3.35	0.47	0.00	30.90	3.35	0.47	0.00
28.35	3.35	0.47	0.00	30.95	3.35	0.47	0.00
28.40	3.35	0.47	0.00	31.00	3.35	0.47	0.00
28.45	3.35	0.47	0.00	31.05	3.35	0.47	0.00
28.50	3.35	0.47	0.00	31.10	3.35	0.47	0.00
28.55	3.35	0.47	0.00	31.15	3.35	0.47	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.47	0.00	33.80	3.35	0.47	0.00
31.25	3.35	0.47	0.00	33.85	3.35	0.47	0.00
31.30	3.35	0.47	0.00	33.90	3.35	0.47	0.00
31.35	3.35	0.47	0.00	33.95	3.35	0.47	0.00
31.40	3.35	0.47	0.00	34.00	3.35	0.47	0.00
31.45	3.35	0.47	0.00	34.05	3.35	0.47	0.00
31.50	3.35	0.47	0.00	34.10	3.35	0.47	0.00
31.55	3.35	0.47	0.00	34.15	3.35	0.47	0.00
31.60	3.35	0.47	0.00	34.20	3.35	0.47	0.00
31.65	3.35	0.47	0.00	34.25	3.35	0.47	0.00
31.70	3.35	0.47	0.00	34.30	3.35	0.47	0.00
31.75	3.35	0.47	0.00	34.35	3.35	0.47	0.00
31.80	3.35	0.47	0.00	34.40	3.35	0.47	0.00
31.85	3.35	0.47	0.00	34.45	3.35	0.47	0.00
31.90	3.35	0.47	0.00	34.50	3.35	0.47	0.00
31.95	3.35	0.47	0.00	34.55	3.35	0.47	0.00
32.00	3.35	0.47	0.00	34.60	3.35	0.47	0.00
32.05	3.35	0.47	0.00	34.65	3.35	0.47	0.00
32.10	3.35	0.47	0.00	34.70	3.35	0.47	0.00
32.15	3.35	0.47	0.00	34.75	3.35	0.47	0.00
32.20	3.35	0.47	0.00	34.80	3.35	0.47	0.00
32.25	3.35	0.47	0.00	34.85	3.35	0.47	0.00
32.30	3.35	0.47	0.00	34.90	3.35	0.47	0.00
32.35	3.35	0.47	0.00	34.95	3.35	0.47	0.00
32.40	3.35	0.47	0.00	35.00	3.35	0.47	0.00
32.45	3.35	0.47	0.00	35.05	3.35	0.47	0.00
32.50	3.35	0.47	0.00	35.10	3.35	0.47	0.00
32.55	3.35	0.47	0.00	35.15	3.35	0.47	0.00
32.60	3.35	0.47	0.00	35.20	3.35	0.47	0.00
32.65	3.35	0.47	0.00	35.25	3.35	0.47	0.00
32.70	3.35	0.47	0.00	35.30	3.35	0.47	0.00
32.75	3.35	0.47	0.00	35.35	3.35	0.47	0.00
32.80	3.35	0.47	0.00	35.40	3.35	0.47	0.00
32.85	3.35	0.47	0.00	35.45	3.35	0.47	0.00
32.90	3.35	0.47	0.00	35.50	3.35	0.47	0.00
32.95	3.35	0.47	0.00	35.55	3.35	0.47	0.00
33.00	3.35	0.47	0.00	35.60	3.35	0.47	0.00
33.05	3.35	0.47	0.00	35.65	3.35	0.47	0.00
33.10	3.35	0.47	0.00	35.70	3.35	0.47	0.00
33.15	3.35	0.47	0.00	35.75	3.35	0.47	0.00
33.20	3.35	0.47	0.00	35.80	3.35	0.47	0.00
33.25	3.35	0.47	0.00	35.85	3.35	0.47	0.00
33.30	3.35	0.47	0.00	35.90	3.35	0.47	0.00
33.35	3.35	0.47	0.00	35.95	3.35	0.47	0.00
33.40	3.35	0.47	0.00	36.00	3.35	0.47	0.00
33.45	3.35	0.47	0.00	36.05	3.35	0.47	0.00
33.50	3.35	0.47	0.00	36.10	3.35	0.47	0.00
33.55	3.35	0.47	0.00	36.15	3.35	0.47	0.00
33.60	3.35	0.47	0.00	36.20	3.35	0.47	0.00
33.65	3.35	0.47	0.00	36.25	3.35	0.47	0.00
33.70	3.35	0.47	0.00	36.30	3.35	0.47	0.00
33.75	3.35	0.47	0.00	36.35	3.35	0.47	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.47	0.00	39.00	3.35	0.47	0.00
36.45	3.35	0.47	0.00	39.05	3.35	0.47	0.00
36.50	3.35	0.47	0.00	39.10	3.35	0.47	0.00
36.55	3.35	0.47	0.00	39.15	3.35	0.47	0.00
36.60	3.35	0.47	0.00	39.20	3.35	0.47	0.00
36.65	3.35	0.47	0.00	39.25	3.35	0.47	0.00
36.70	3.35	0.47	0.00	39.30	3.35	0.47	0.00
36.75	3.35	0.47	0.00	39.35	3.35	0.47	0.00
36.80	3.35	0.47	0.00	39.40	3.35	0.47	0.00
36.85	3.35	0.47	0.00	39.45	3.35	0.47	0.00
36.90	3.35	0.47	0.00	39.50	3.35	0.47	0.00
36.95	3.35	0.47	0.00	39.55	3.35	0.47	0.00
37.00	3.35	0.47	0.00	39.60	3.35	0.47	0.00
37.05	3.35	0.47	0.00	39.65	3.35	0.47	0.00
37.10	3.35	0.47	0.00	39.70	3.35	0.47	0.00
37.15	3.35	0.47	0.00	39.75	3.35	0.47	0.00
37.20	3.35	0.47	0.00	39.80	3.35	0.47	0.00
37.25	3.35	0.47	0.00	39.85	3.35	0.47	0.00
37.30	3.35	0.47	0.00	39.90	3.35	0.47	0.00
37.35	3.35	0.47	0.00	39.95	3.35	0.47	0.00
37.40	3.35	0.47	0.00	40.00	3.35	0.47	0.00
37.45	3.35	0.47	0.00				
37.50	3.35	0.47	0.00				
37.55	3.35	0.47	0.00				
37.60	3.35	0.47	0.00				
37.65	3.35	0.47	0.00				
37.70	3.35	0.47	0.00				
37.75	3.35	0.47	0.00				
37.80	3.35	0.47	0.00				
37.85	3.35	0.47	0.00				
37.90	3.35	0.47	0.00				
37.95	3.35	0.47	0.00				
38.00	3.35	0.47	0.00				
38.05	3.35	0.47	0.00				
38.10	3.35	0.47	0.00				
38.15	3.35	0.47	0.00				
38.20	3.35	0.47	0.00				
38.25	3.35	0.47	0.00				
38.30	3.35	0.47	0.00				
38.35	3.35	0.47	0.00				
38.40	3.35	0.47	0.00				
38.45	3.35	0.47	0.00				
38.50	3.35	0.47	0.00				
38.55	3.35	0.47	0.00				
38.60	3.35	0.47	0.00				
38.65	3.35	0.47	0.00				
38.70	3.35	0.47	0.00				
38.75	3.35	0.47	0.00				
38.80	3.35	0.47	0.00				
38.85	3.35	0.47	0.00				
38.90	3.35	0.47	0.00				
38.95	3.35	0.47	0.00				

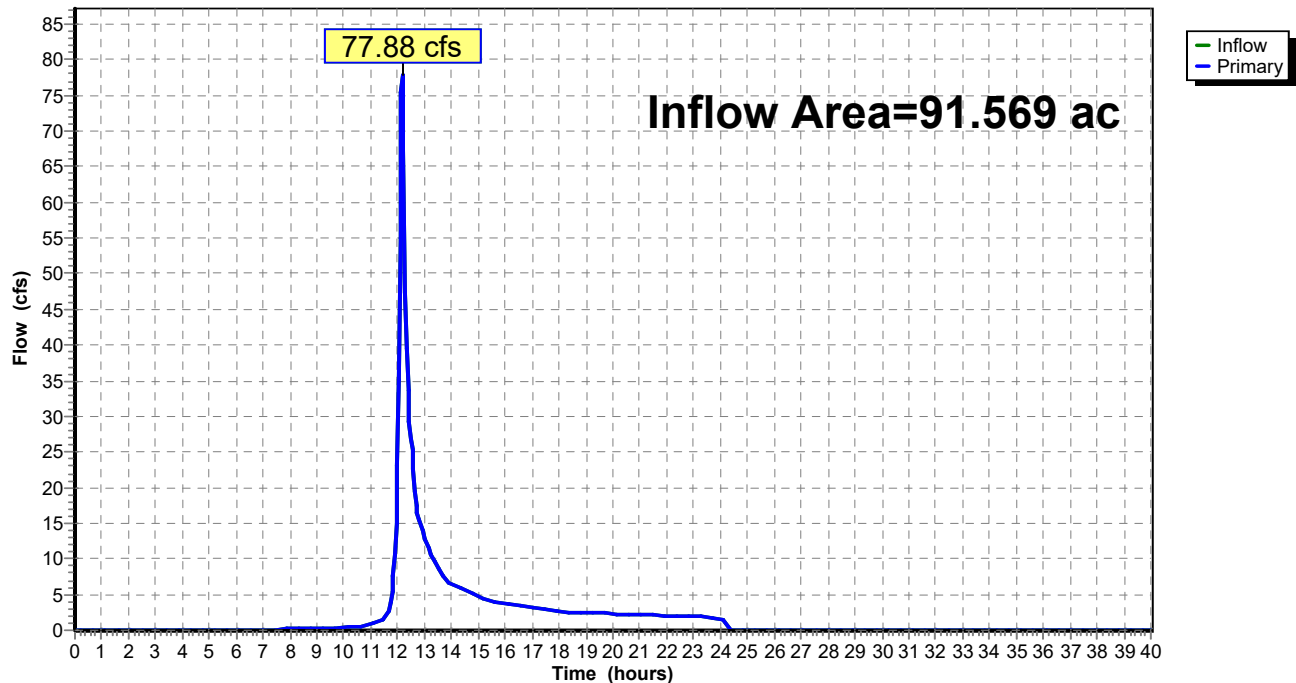
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 0.83" for Current 2 yr event
 Inflow = 77.88 cfs @ 12.17 hrs, Volume= 6.318 af
 Primary = 77.88 cfs @ 12.17 hrs, Volume= 6.318 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.01	0.00	0.01
2.15	0.00	0.00	0.00	4.75	0.01	0.00	0.01
2.20	0.00	0.00	0.00	4.80	0.01	0.00	0.01
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.02	0.00	0.02
2.45	0.00	0.00	0.00	5.05	0.02	0.00	0.02
2.50	0.00	0.00	0.00	5.10	0.02	0.00	0.02
2.55	0.00	0.00	0.00	5.15	0.02	0.00	0.02

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.02	0.00	0.02	7.80	0.13	0.00	0.13
5.25	0.02	0.00	0.02	7.85	0.13	0.00	0.13
5.30	0.03	0.00	0.03	7.90	0.13	0.00	0.13
5.35	0.03	0.00	0.03	7.95	0.14	0.00	0.14
5.40	0.03	0.00	0.03	8.00	0.14	0.00	0.14
5.45	0.03	0.00	0.03	8.05	0.14	0.00	0.14
5.50	0.03	0.00	0.03	8.10	0.15	0.00	0.15
5.55	0.03	0.00	0.03	8.15	0.15	0.00	0.15
5.60	0.03	0.00	0.03	8.20	0.15	0.00	0.15
5.65	0.04	0.00	0.04	8.25	0.16	0.00	0.16
5.70	0.04	0.00	0.04	8.30	0.16	0.00	0.16
5.75	0.04	0.00	0.04	8.35	0.16	0.00	0.16
5.80	0.04	0.00	0.04	8.40	0.17	0.00	0.17
5.85	0.04	0.00	0.04	8.45	0.17	0.00	0.17
5.90	0.04	0.00	0.04	8.50	0.17	0.00	0.17
5.95	0.04	0.00	0.04	8.55	0.18	0.00	0.18
6.00	0.04	0.00	0.04	8.60	0.18	0.00	0.18
6.05	0.05	0.00	0.05	8.65	0.18	0.00	0.18
6.10	0.05	0.00	0.05	8.70	0.19	0.00	0.19
6.15	0.05	0.00	0.05	8.75	0.19	0.00	0.19
6.20	0.05	0.00	0.05	8.80	0.19	0.00	0.19
6.25	0.05	0.00	0.05	8.85	0.20	0.00	0.20
6.30	0.06	0.00	0.06	8.90	0.20	0.00	0.20
6.35	0.06	0.00	0.06	8.95	0.20	0.00	0.20
6.40	0.06	0.00	0.06	9.00	0.21	0.00	0.21
6.45	0.06	0.00	0.06	9.05	0.21	0.00	0.21
6.50	0.06	0.00	0.06	9.10	0.22	0.00	0.22
6.55	0.07	0.00	0.07	9.15	0.22	0.00	0.22
6.60	0.07	0.00	0.07	9.20	0.23	0.00	0.23
6.65	0.07	0.00	0.07	9.25	0.24	0.00	0.24
6.70	0.07	0.00	0.07	9.30	0.25	0.00	0.25
6.75	0.07	0.00	0.07	9.35	0.25	0.00	0.25
6.80	0.08	0.00	0.08	9.40	0.26	0.00	0.26
6.85	0.08	0.00	0.08	9.45	0.27	0.00	0.27
6.90	0.08	0.00	0.08	9.50	0.28	0.00	0.28
6.95	0.08	0.00	0.08	9.55	0.29	0.00	0.29
7.00	0.09	0.00	0.09	9.60	0.30	0.00	0.30
7.05	0.09	0.00	0.09	9.65	0.31	0.00	0.31
7.10	0.09	0.00	0.09	9.70	0.32	0.00	0.32
7.15	0.09	0.00	0.09	9.75	0.33	0.00	0.33
7.20	0.10	0.00	0.10	9.80	0.34	0.00	0.34
7.25	0.10	0.00	0.10	9.85	0.35	0.00	0.35
7.30	0.10	0.00	0.10	9.90	0.36	0.00	0.36
7.35	0.10	0.00	0.10	9.95	0.37	0.00	0.37
7.40	0.11	0.00	0.11	10.00	0.38	0.00	0.38
7.45	0.11	0.00	0.11	10.05	0.39	0.00	0.39
7.50	0.11	0.00	0.11	10.10	0.40	0.00	0.40
7.55	0.11	0.00	0.11	10.15	0.41	0.00	0.41
7.60	0.12	0.00	0.12	10.20	0.42	0.00	0.42
7.65	0.12	0.00	0.12	10.25	0.43	0.00	0.43
7.70	0.12	0.00	0.12	10.30	0.44	0.00	0.44
7.75	0.13	0.00	0.13	10.35	0.45	0.00	0.45

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.46	0.00	0.46	13.00	13.18	0.00	13.18
10.45	0.47	0.00	0.47	13.05	12.56	0.00	12.56
10.50	0.48	0.00	0.48	13.10	11.91	0.00	11.91
10.55	0.50	0.00	0.50	13.15	11.29	0.00	11.29
10.60	0.52	0.00	0.52	13.20	10.80	0.00	10.80
10.65	0.55	0.00	0.55	13.25	10.39	0.00	10.39
10.70	0.58	0.00	0.58	13.30	10.01	0.00	10.01
10.75	0.61	0.00	0.61	13.35	9.65	0.00	9.65
10.80	0.65	0.00	0.65	13.40	9.28	0.00	9.28
10.85	0.68	0.00	0.68	13.45	8.92	0.00	8.92
10.90	0.72	0.00	0.72	13.50	8.55	0.00	8.55
10.95	0.76	0.00	0.76	13.55	8.19	0.00	8.19
11.00	0.80	0.00	0.80	13.60	7.81	0.00	7.81
11.05	0.84	0.00	0.84	13.65	7.47	0.00	7.47
11.10	0.89	0.00	0.89	13.70	7.23	0.00	7.23
11.15	0.95	0.00	0.95	13.75	7.08	0.00	7.08
11.20	1.02	0.00	1.02	13.80	6.97	0.00	6.97
11.25	1.09	0.00	1.09	13.85	6.87	0.00	6.87
11.30	1.16	0.00	1.16	13.90	6.78	0.00	6.78
11.35	1.23	0.00	1.23	13.95	6.69	0.00	6.69
11.40	1.31	0.00	1.31	14.00	6.60	0.00	6.60
11.45	1.38	0.00	1.38	14.05	6.50	0.00	6.50
11.50	1.45	0.00	1.45	14.10	6.41	0.00	6.41
11.55	1.57	0.00	1.57	14.15	6.32	0.00	6.32
11.60	1.89	0.00	1.89	14.20	6.22	0.00	6.22
11.65	2.41	0.00	2.41	14.25	6.14	0.00	6.14
11.70	3.09	0.00	3.09	14.30	6.04	0.00	6.04
11.75	4.01	0.00	4.01	14.35	5.94	0.00	5.94
11.80	5.49	0.00	5.49	14.40	5.84	0.00	5.84
11.85	7.59	0.00	7.59	14.45	5.74	0.00	5.74
11.90	10.64	0.00	10.64	14.50	5.65	0.00	5.65
11.95	15.09	0.00	15.09	14.55	5.55	0.00	5.55
12.00	23.05	0.00	23.05	14.60	5.45	0.00	5.45
12.05	35.17	0.00	35.17	14.65	5.35	0.00	5.35
12.10	54.92	0.00	54.92	14.70	5.24	0.00	5.24
12.15	75.53	0.00	75.53	14.75	5.14	0.00	5.14
12.20	74.89	0.00	74.89	14.80	5.04	0.00	5.04
12.25	59.82	0.00	59.82	14.85	4.94	0.00	4.94
12.30	47.51	0.00	47.51	14.90	4.84	0.00	4.84
12.35	39.58	0.00	39.58	14.95	4.73	0.00	4.73
12.40	33.70	0.00	33.70	15.00	4.62	0.00	4.62
12.45	29.32	0.00	29.32	15.05	4.52	0.00	4.52
12.50	26.87	0.00	26.87	15.10	4.41	0.00	4.41
12.55	25.32	0.00	25.32	15.15	4.32	0.00	4.32
12.60	22.59	0.00	22.59	15.20	4.26	0.00	4.26
12.65	19.48	0.00	19.48	15.25	4.21	0.00	4.21
12.70	17.53	0.00	17.53	15.30	4.18	0.00	4.18
12.75	16.48	0.00	16.48	15.35	4.15	0.00	4.15
12.80	15.70	0.00	15.70	15.40	4.13	0.00	4.13
12.85	15.05	0.00	15.05	15.45	4.10	0.00	4.10
12.90	14.42	0.00	14.42	15.50	4.08	0.00	4.08
12.95	13.81	0.00	13.81	15.55	4.05	0.00	4.05

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.03	0.00	4.03	18.20	2.59	0.00	2.59
15.65	4.00	0.00	4.00	18.25	2.58	0.00	2.58
15.70	3.98	0.00	3.98	18.30	2.57	0.00	2.57
15.75	3.95	0.00	3.95	18.35	2.57	0.00	2.57
15.80	3.92	0.00	3.92	18.40	2.56	0.00	2.56
15.85	3.89	0.00	3.89	18.45	2.55	0.00	2.55
15.90	3.87	0.00	3.87	18.50	2.55	0.00	2.55
15.95	3.85	0.00	3.85	18.55	2.54	0.00	2.54
16.00	3.82	0.00	3.82	18.60	2.53	0.00	2.53
16.05	3.79	0.00	3.79	18.65	2.53	0.00	2.53
16.10	3.77	0.00	3.77	18.70	2.52	0.00	2.52
16.15	3.75	0.00	3.75	18.75	2.51	0.00	2.51
16.20	3.72	0.00	3.72	18.80	2.51	0.00	2.51
16.25	3.70	0.00	3.70	18.85	2.50	0.00	2.50
16.30	3.66	0.00	3.66	18.90	2.49	0.00	2.49
16.35	3.63	0.00	3.63	18.95	2.49	0.00	2.49
16.40	3.61	0.00	3.61	19.00	2.48	0.00	2.48
16.45	3.58	0.00	3.58	19.05	2.48	0.00	2.48
16.50	3.55	0.00	3.55	19.10	2.47	0.00	2.47
16.55	3.52	0.00	3.52	19.15	2.46	0.00	2.46
16.60	3.50	0.00	3.50	19.20	2.46	0.00	2.46
16.65	3.47	0.00	3.47	19.25	2.45	0.00	2.45
16.70	3.45	0.00	3.45	19.30	2.44	0.00	2.44
16.75	3.42	0.00	3.42	19.35	2.44	0.00	2.44
16.80	3.39	0.00	3.39	19.40	2.43	0.00	2.43
16.85	3.36	0.00	3.36	19.45	2.42	0.00	2.42
16.90	3.33	0.00	3.33	19.50	2.42	0.00	2.42
16.95	3.31	0.00	3.31	19.55	2.41	0.00	2.41
17.00	3.28	0.00	3.28	19.60	2.40	0.00	2.40
17.05	3.25	0.00	3.25	19.65	2.40	0.00	2.40
17.10	3.23	0.00	3.23	19.70	2.39	0.00	2.39
17.15	3.20	0.00	3.20	19.75	2.38	0.00	2.38
17.20	3.17	0.00	3.17	19.80	2.38	0.00	2.38
17.25	3.14	0.00	3.14	19.85	2.38	0.00	2.38
17.30	3.11	0.00	3.11	19.90	2.37	0.00	2.37
17.35	3.07	0.00	3.07	19.95	2.36	0.00	2.36
17.40	3.04	0.00	3.04	20.00	2.35	0.00	2.35
17.45	3.02	0.00	3.02	20.05	2.34	0.00	2.34
17.50	2.99	0.00	2.99	20.10	2.33	0.00	2.33
17.55	2.96	0.00	2.96	20.15	2.33	0.00	2.33
17.60	2.94	0.00	2.94	20.20	2.32	0.00	2.32
17.65	2.91	0.00	2.91	20.25	2.31	0.00	2.31
17.70	2.88	0.00	2.88	20.30	2.31	0.00	2.31
17.75	2.85	0.00	2.85	20.35	2.30	0.00	2.30
17.80	2.82	0.00	2.82	20.40	2.29	0.00	2.29
17.85	2.79	0.00	2.79	20.45	2.29	0.00	2.29
17.90	2.76	0.00	2.76	20.50	2.28	0.00	2.28
17.95	2.73	0.00	2.73	20.55	2.27	0.00	2.27
18.00	2.70	0.00	2.70	20.60	2.27	0.00	2.27
18.05	2.67	0.00	2.67	20.65	2.27	0.00	2.27
18.10	2.64	0.00	2.64	20.70	2.26	0.00	2.26
18.15	2.61	0.00	2.61	20.75	2.25	0.00	2.25

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.24	0.00	2.24	23.40	1.86	0.00	1.86
20.85	2.23	0.00	2.23	23.45	1.85	0.00	1.85
20.90	2.22	0.00	2.22	23.50	1.84	0.00	1.84
20.95	2.22	0.00	2.22	23.55	1.83	0.00	1.83
21.00	2.21	0.00	2.21	23.60	1.82	0.00	1.82
21.05	2.20	0.00	2.20	23.65	1.81	0.00	1.81
21.10	2.19	0.00	2.19	23.70	1.81	0.00	1.81
21.15	2.19	0.00	2.19	23.75	1.81	0.00	1.81
21.20	2.18	0.00	2.18	23.80	1.80	0.00	1.80
21.25	2.17	0.00	2.17	23.85	1.78	0.00	1.78
21.30	2.17	0.00	2.17	23.90	1.77	0.00	1.77
21.35	2.17	0.00	2.17	23.95	1.79	0.00	1.79
21.40	2.16	0.00	2.16	24.00	1.89	0.00	1.89
21.45	2.15	0.00	2.15	24.05	1.93	0.00	1.93
21.50	2.14	0.00	2.14	24.10	1.44	0.00	1.44
21.55	2.13	0.00	2.13	24.15	0.74	0.00	0.74
21.60	2.12	0.00	2.12	24.20	0.32	0.00	0.32
21.65	2.11	0.00	2.11	24.25	0.14	0.00	0.14
21.70	2.11	0.00	2.11	24.30	0.06	0.00	0.06
21.75	2.10	0.00	2.10	24.35	0.03	0.00	0.03
21.80	2.10	0.00	2.10	24.40	0.01	0.00	0.01
21.85	2.09	0.00	2.09	24.45	0.00	0.00	0.00
21.90	2.09	0.00	2.09	24.50	0.00	0.00	0.00
21.95	2.07	0.00	2.07	24.55	0.00	0.00	0.00
22.00	2.06	0.00	2.06	24.60	0.00	0.00	0.00
22.05	2.06	0.00	2.06	24.65	0.00	0.00	0.00
22.10	2.05	0.00	2.05	24.70	0.00	0.00	0.00
22.15	2.04	0.00	2.04	24.75	0.00	0.00	0.00
22.20	2.04	0.00	2.04	24.80	0.00	0.00	0.00
22.25	2.04	0.00	2.04	24.85	0.00	0.00	0.00
22.30	2.03	0.00	2.03	24.90	0.00	0.00	0.00
22.35	2.02	0.00	2.02	24.95	0.00	0.00	0.00
22.40	2.01	0.00	2.01	25.00	0.00	0.00	0.00
22.45	2.00	0.00	2.00	25.05	0.00	0.00	0.00
22.50	1.99	0.00	1.99	25.10	0.00	0.00	0.00
22.55	1.98	0.00	1.98	25.15	0.00	0.00	0.00
22.60	1.98	0.00	1.98	25.20	0.00	0.00	0.00
22.65	1.98	0.00	1.98	25.25	0.00	0.00	0.00
22.70	1.97	0.00	1.97	25.30	0.00	0.00	0.00
22.75	1.95	0.00	1.95	25.35	0.00	0.00	0.00
22.80	1.94	0.00	1.94	25.40	0.00	0.00	0.00
22.85	1.94	0.00	1.94	25.45	0.00	0.00	0.00
22.90	1.93	0.00	1.93	25.50	0.00	0.00	0.00
22.95	1.92	0.00	1.92	25.55	0.00	0.00	0.00
23.00	1.92	0.00	1.92	25.60	0.00	0.00	0.00
23.05	1.91	0.00	1.91	25.65	0.00	0.00	0.00
23.10	1.91	0.00	1.91	25.70	0.00	0.00	0.00
23.15	1.89	0.00	1.89	25.75	0.00	0.00	0.00
23.20	1.88	0.00	1.88	25.80	0.00	0.00	0.00
23.25	1.87	0.00	1.87	25.85	0.00	0.00	0.00
23.30	1.87	0.00	1.87	25.90	0.00	0.00	0.00
23.35	1.86	0.00	1.86	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

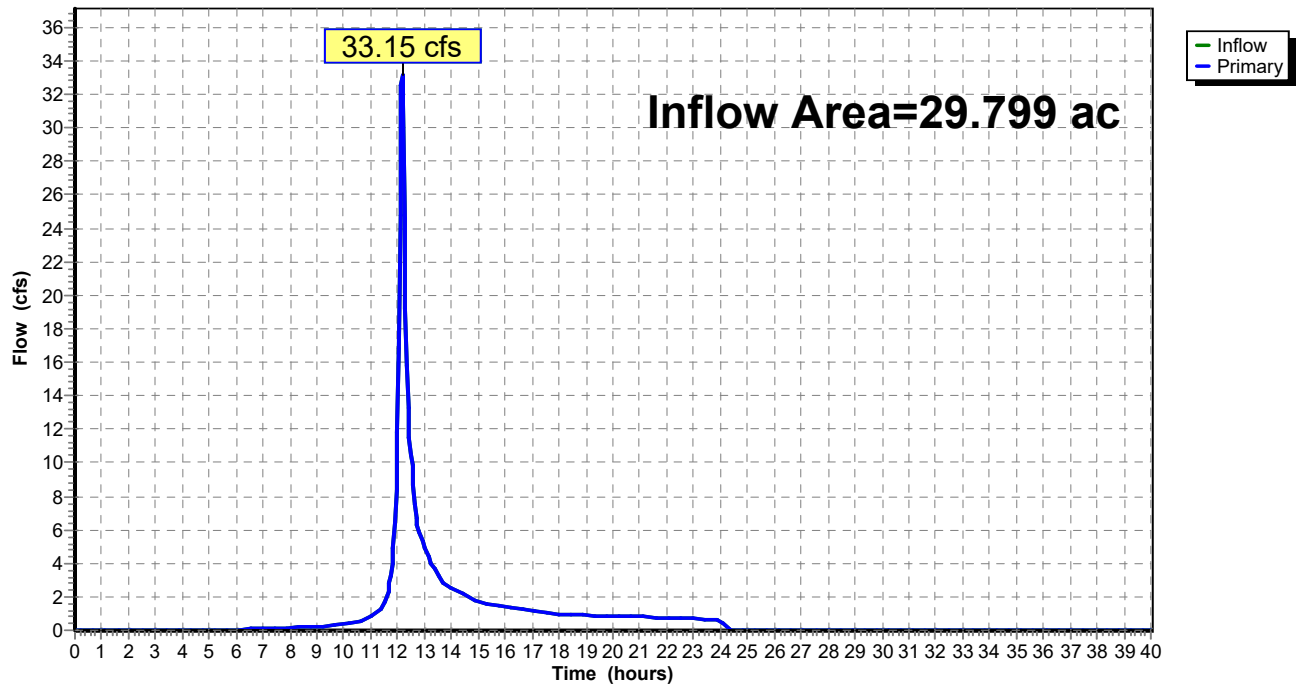
Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.05" for Current 2 yr event
 Inflow = 33.15 cfs @ 12.17 hrs, Volume= 2.610 af
 Primary = 33.15 cfs @ 12.17 hrs, Volume= 2.610 af, Atten= 0%, Lag= 0.0 min
 Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10

Hydrograph



Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.01	0.00	0.01
2.15	0.00	0.00	0.00	4.75	0.01	0.00	0.01
2.20	0.00	0.00	0.00	4.80	0.01	0.00	0.01
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.02	0.00	0.02
2.45	0.00	0.00	0.00	5.05	0.02	0.00	0.02
2.50	0.00	0.00	0.00	5.10	0.02	0.00	0.02
2.55	0.00	0.00	0.00	5.15	0.02	0.00	0.02

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.02	0.00	0.02	7.80	0.13	0.00	0.13
5.25	0.02	0.00	0.02	7.85	0.13	0.00	0.13
5.30	0.03	0.00	0.03	7.90	0.13	0.00	0.13
5.35	0.03	0.00	0.03	7.95	0.14	0.00	0.14
5.40	0.03	0.00	0.03	8.00	0.14	0.00	0.14
5.45	0.03	0.00	0.03	8.05	0.14	0.00	0.14
5.50	0.03	0.00	0.03	8.10	0.15	0.00	0.15
5.55	0.03	0.00	0.03	8.15	0.15	0.00	0.15
5.60	0.03	0.00	0.03	8.20	0.15	0.00	0.15
5.65	0.04	0.00	0.04	8.25	0.16	0.00	0.16
5.70	0.04	0.00	0.04	8.30	0.16	0.00	0.16
5.75	0.04	0.00	0.04	8.35	0.16	0.00	0.16
5.80	0.04	0.00	0.04	8.40	0.17	0.00	0.17
5.85	0.04	0.00	0.04	8.45	0.17	0.00	0.17
5.90	0.04	0.00	0.04	8.50	0.17	0.00	0.17
5.95	0.04	0.00	0.04	8.55	0.18	0.00	0.18
6.00	0.04	0.00	0.04	8.60	0.18	0.00	0.18
6.05	0.05	0.00	0.05	8.65	0.18	0.00	0.18
6.10	0.05	0.00	0.05	8.70	0.19	0.00	0.19
6.15	0.05	0.00	0.05	8.75	0.19	0.00	0.19
6.20	0.05	0.00	0.05	8.80	0.19	0.00	0.19
6.25	0.05	0.00	0.05	8.85	0.20	0.00	0.20
6.30	0.06	0.00	0.06	8.90	0.20	0.00	0.20
6.35	0.06	0.00	0.06	8.95	0.20	0.00	0.20
6.40	0.06	0.00	0.06	9.00	0.21	0.00	0.21
6.45	0.06	0.00	0.06	9.05	0.21	0.00	0.21
6.50	0.06	0.00	0.06	9.10	0.22	0.00	0.22
6.55	0.07	0.00	0.07	9.15	0.22	0.00	0.22
6.60	0.07	0.00	0.07	9.20	0.23	0.00	0.23
6.65	0.07	0.00	0.07	9.25	0.24	0.00	0.24
6.70	0.07	0.00	0.07	9.30	0.25	0.00	0.25
6.75	0.07	0.00	0.07	9.35	0.25	0.00	0.25
6.80	0.08	0.00	0.08	9.40	0.26	0.00	0.26
6.85	0.08	0.00	0.08	9.45	0.27	0.00	0.27
6.90	0.08	0.00	0.08	9.50	0.28	0.00	0.28
6.95	0.08	0.00	0.08	9.55	0.29	0.00	0.29
7.00	0.09	0.00	0.09	9.60	0.30	0.00	0.30
7.05	0.09	0.00	0.09	9.65	0.31	0.00	0.31
7.10	0.09	0.00	0.09	9.70	0.32	0.00	0.32
7.15	0.09	0.00	0.09	9.75	0.33	0.00	0.33
7.20	0.10	0.00	0.10	9.80	0.34	0.00	0.34
7.25	0.10	0.00	0.10	9.85	0.35	0.00	0.35
7.30	0.10	0.00	0.10	9.90	0.36	0.00	0.36
7.35	0.10	0.00	0.10	9.95	0.37	0.00	0.37
7.40	0.11	0.00	0.11	10.00	0.38	0.00	0.38
7.45	0.11	0.00	0.11	10.05	0.39	0.00	0.39
7.50	0.11	0.00	0.11	10.10	0.40	0.00	0.40
7.55	0.11	0.00	0.11	10.15	0.41	0.00	0.41
7.60	0.12	0.00	0.12	10.20	0.42	0.00	0.42
7.65	0.12	0.00	0.12	10.25	0.43	0.00	0.43
7.70	0.12	0.00	0.12	10.30	0.44	0.00	0.44
7.75	0.13	0.00	0.13	10.35	0.45	0.00	0.45

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.46	0.00	0.46	13.00	5.00	0.00	5.00
10.45	0.47	0.00	0.47	13.05	4.75	0.00	4.75
10.50	0.48	0.00	0.48	13.10	4.50	0.00	4.50
10.55	0.50	0.00	0.50	13.15	4.26	0.00	4.26
10.60	0.52	0.00	0.52	13.20	4.07	0.00	4.07
10.65	0.55	0.00	0.55	13.25	3.91	0.00	3.91
10.70	0.58	0.00	0.58	13.30	3.76	0.00	3.76
10.75	0.61	0.00	0.61	13.35	3.63	0.00	3.63
10.80	0.65	0.00	0.65	13.40	3.49	0.00	3.49
10.85	0.68	0.00	0.68	13.45	3.35	0.00	3.35
10.90	0.72	0.00	0.72	13.50	3.21	0.00	3.21
10.95	0.76	0.00	0.76	13.55	3.07	0.00	3.07
11.00	0.80	0.00	0.80	13.60	2.92	0.00	2.92
11.05	0.84	0.00	0.84	13.65	2.79	0.00	2.79
11.10	0.89	0.00	0.89	13.70	2.70	0.00	2.70
11.15	0.95	0.00	0.95	13.75	2.65	0.00	2.65
11.20	1.02	0.00	1.02	13.80	2.60	0.00	2.60
11.25	1.09	0.00	1.09	13.85	2.56	0.00	2.56
11.30	1.16	0.00	1.16	13.90	2.53	0.00	2.53
11.35	1.23	0.00	1.23	13.95	2.49	0.00	2.49
11.40	1.31	0.00	1.31	14.00	2.46	0.00	2.46
11.45	1.38	0.00	1.38	14.05	2.42	0.00	2.42
11.50	1.45	0.00	1.45	14.10	2.38	0.00	2.38
11.55	1.57	0.00	1.57	14.15	2.35	0.00	2.35
11.60	1.88	0.00	1.88	14.20	2.31	0.00	2.31
11.65	2.34	0.00	2.34	14.25	2.28	0.00	2.28
11.70	2.78	0.00	2.78	14.30	2.24	0.00	2.24
11.75	3.23	0.00	3.23	14.35	2.20	0.00	2.20
11.80	3.95	0.00	3.95	14.40	2.17	0.00	2.17
11.85	4.95	0.00	4.95	14.45	2.13	0.00	2.13
11.90	6.35	0.00	6.35	14.50	2.09	0.00	2.09
11.95	8.33	0.00	8.33	14.55	2.06	0.00	2.06
12.00	11.80	0.00	11.80	14.60	2.02	0.00	2.02
12.05	16.86	0.00	16.86	14.65	1.98	0.00	1.98
12.10	24.75	0.00	24.75	14.70	1.94	0.00	1.94
12.15	32.53	0.00	32.53	14.75	1.90	0.00	1.90
12.20	31.38	0.00	31.38	14.80	1.86	0.00	1.86
12.25	24.57	0.00	24.57	14.85	1.83	0.00	1.83
12.30	19.20	0.00	19.20	14.90	1.79	0.00	1.79
12.35	15.78	0.00	15.78	14.95	1.75	0.00	1.75
12.40	13.30	0.00	13.30	15.00	1.71	0.00	1.71
12.45	11.48	0.00	11.48	15.05	1.67	0.00	1.67
12.50	10.46	0.00	10.46	15.10	1.63	0.00	1.63
12.55	9.80	0.00	9.80	15.15	1.59	0.00	1.59
12.60	8.71	0.00	8.71	15.20	1.57	0.00	1.57
12.65	7.49	0.00	7.49	15.25	1.55	0.00	1.55
12.70	6.72	0.00	6.72	15.30	1.54	0.00	1.54
12.75	6.30	0.00	6.30	15.35	1.53	0.00	1.53
12.80	5.99	0.00	5.99	15.40	1.52	0.00	1.52
12.85	5.73	0.00	5.73	15.45	1.51	0.00	1.51
12.90	5.48	0.00	5.48	15.50	1.50	0.00	1.50
12.95	5.24	0.00	5.24	15.55	1.49	0.00	1.49

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.48	0.00	1.48	18.20	0.94	0.00	0.94
15.65	1.47	0.00	1.47	18.25	0.94	0.00	0.94
15.70	1.46	0.00	1.46	18.30	0.94	0.00	0.94
15.75	1.45	0.00	1.45	18.35	0.93	0.00	0.93
15.80	1.44	0.00	1.44	18.40	0.93	0.00	0.93
15.85	1.43	0.00	1.43	18.45	0.93	0.00	0.93
15.90	1.42	0.00	1.42	18.50	0.93	0.00	0.93
15.95	1.41	0.00	1.41	18.55	0.92	0.00	0.92
16.00	1.40	0.00	1.40	18.60	0.92	0.00	0.92
16.05	1.39	0.00	1.39	18.65	0.92	0.00	0.92
16.10	1.38	0.00	1.38	18.70	0.92	0.00	0.92
16.15	1.37	0.00	1.37	18.75	0.91	0.00	0.91
16.20	1.36	0.00	1.36	18.80	0.91	0.00	0.91
16.25	1.36	0.00	1.36	18.85	0.91	0.00	0.91
16.30	1.34	0.00	1.34	18.90	0.91	0.00	0.91
16.35	1.33	0.00	1.33	18.95	0.90	0.00	0.90
16.40	1.32	0.00	1.32	19.00	0.90	0.00	0.90
16.45	1.31	0.00	1.31	19.05	0.90	0.00	0.90
16.50	1.30	0.00	1.30	19.10	0.90	0.00	0.90
16.55	1.29	0.00	1.29	19.15	0.89	0.00	0.89
16.60	1.28	0.00	1.28	19.20	0.89	0.00	0.89
16.65	1.27	0.00	1.27	19.25	0.89	0.00	0.89
16.70	1.26	0.00	1.26	19.30	0.89	0.00	0.89
16.75	1.25	0.00	1.25	19.35	0.88	0.00	0.88
16.80	1.24	0.00	1.24	19.40	0.88	0.00	0.88
16.85	1.23	0.00	1.23	19.45	0.88	0.00	0.88
16.90	1.22	0.00	1.22	19.50	0.88	0.00	0.88
16.95	1.21	0.00	1.21	19.55	0.87	0.00	0.87
17.00	1.20	0.00	1.20	19.60	0.87	0.00	0.87
17.05	1.19	0.00	1.19	19.65	0.87	0.00	0.87
17.10	1.18	0.00	1.18	19.70	0.87	0.00	0.87
17.15	1.17	0.00	1.17	19.75	0.86	0.00	0.86
17.20	1.16	0.00	1.16	19.80	0.86	0.00	0.86
17.25	1.15	0.00	1.15	19.85	0.86	0.00	0.86
17.30	1.13	0.00	1.13	19.90	0.86	0.00	0.86
17.35	1.12	0.00	1.12	19.95	0.86	0.00	0.86
17.40	1.11	0.00	1.11	20.00	0.85	0.00	0.85
17.45	1.10	0.00	1.10	20.05	0.85	0.00	0.85
17.50	1.09	0.00	1.09	20.10	0.85	0.00	0.85
17.55	1.08	0.00	1.08	20.15	0.84	0.00	0.84
17.60	1.07	0.00	1.07	20.20	0.84	0.00	0.84
17.65	1.06	0.00	1.06	20.25	0.84	0.00	0.84
17.70	1.05	0.00	1.05	20.30	0.84	0.00	0.84
17.75	1.04	0.00	1.04	20.35	0.83	0.00	0.83
17.80	1.03	0.00	1.03	20.40	0.83	0.00	0.83
17.85	1.02	0.00	1.02	20.45	0.83	0.00	0.83
17.90	1.01	0.00	1.01	20.50	0.83	0.00	0.83
17.95	0.99	0.00	0.99	20.55	0.82	0.00	0.82
18.00	0.98	0.00	0.98	20.60	0.82	0.00	0.82
18.05	0.97	0.00	0.97	20.65	0.82	0.00	0.82
18.10	0.96	0.00	0.96	20.70	0.82	0.00	0.82
18.15	0.95	0.00	0.95	20.75	0.81	0.00	0.81

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.81	0.00	0.81	23.40	0.67	0.00	0.67
20.85	0.81	0.00	0.81	23.45	0.67	0.00	0.67
20.90	0.80	0.00	0.80	23.50	0.66	0.00	0.66
20.95	0.80	0.00	0.80	23.55	0.66	0.00	0.66
21.00	0.80	0.00	0.80	23.60	0.66	0.00	0.66
21.05	0.80	0.00	0.80	23.65	0.65	0.00	0.65
21.10	0.79	0.00	0.79	23.70	0.65	0.00	0.65
21.15	0.79	0.00	0.79	23.75	0.65	0.00	0.65
21.20	0.79	0.00	0.79	23.80	0.65	0.00	0.65
21.25	0.79	0.00	0.79	23.85	0.64	0.00	0.64
21.30	0.78	0.00	0.78	23.90	0.64	0.00	0.64
21.35	0.78	0.00	0.78	23.95	0.64	0.00	0.64
21.40	0.78	0.00	0.78	24.00	0.68	0.00	0.68
21.45	0.78	0.00	0.78	24.05	0.69	0.00	0.69
21.50	0.77	0.00	0.77	24.10	0.52	0.00	0.52
21.55	0.77	0.00	0.77	24.15	0.27	0.00	0.27
21.60	0.77	0.00	0.77	24.20	0.12	0.00	0.12
21.65	0.76	0.00	0.76	24.25	0.05	0.00	0.05
21.70	0.76	0.00	0.76	24.30	0.02	0.00	0.02
21.75	0.76	0.00	0.76	24.35	0.01	0.00	0.01
21.80	0.76	0.00	0.76	24.40	0.00	0.00	0.00
21.85	0.76	0.00	0.76	24.45	0.00	0.00	0.00
21.90	0.75	0.00	0.75	24.50	0.00	0.00	0.00
21.95	0.75	0.00	0.75	24.55	0.00	0.00	0.00
22.00	0.75	0.00	0.75	24.60	0.00	0.00	0.00
22.05	0.74	0.00	0.74	24.65	0.00	0.00	0.00
22.10	0.74	0.00	0.74	24.70	0.00	0.00	0.00
22.15	0.74	0.00	0.74	24.75	0.00	0.00	0.00
22.20	0.74	0.00	0.74	24.80	0.00	0.00	0.00
22.25	0.73	0.00	0.73	24.85	0.00	0.00	0.00
22.30	0.73	0.00	0.73	24.90	0.00	0.00	0.00
22.35	0.73	0.00	0.73	24.95	0.00	0.00	0.00
22.40	0.72	0.00	0.72	25.00	0.00	0.00	0.00
22.45	0.72	0.00	0.72	25.05	0.00	0.00	0.00
22.50	0.72	0.00	0.72	25.10	0.00	0.00	0.00
22.55	0.71	0.00	0.71	25.15	0.00	0.00	0.00
22.60	0.71	0.00	0.71	25.20	0.00	0.00	0.00
22.65	0.71	0.00	0.71	25.25	0.00	0.00	0.00
22.70	0.71	0.00	0.71	25.30	0.00	0.00	0.00
22.75	0.70	0.00	0.70	25.35	0.00	0.00	0.00
22.80	0.70	0.00	0.70	25.40	0.00	0.00	0.00
22.85	0.70	0.00	0.70	25.45	0.00	0.00	0.00
22.90	0.69	0.00	0.69	25.50	0.00	0.00	0.00
22.95	0.69	0.00	0.69	25.55	0.00	0.00	0.00
23.00	0.69	0.00	0.69	25.60	0.00	0.00	0.00
23.05	0.69	0.00	0.69	25.65	0.00	0.00	0.00
23.10	0.69	0.00	0.69	25.70	0.00	0.00	0.00
23.15	0.68	0.00	0.68	25.75	0.00	0.00	0.00
23.20	0.68	0.00	0.68	25.80	0.00	0.00	0.00
23.25	0.68	0.00	0.68	25.85	0.00	0.00	0.00
23.30	0.67	0.00	0.67	25.90	0.00	0.00	0.00
23.35	0.67	0.00	0.67	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

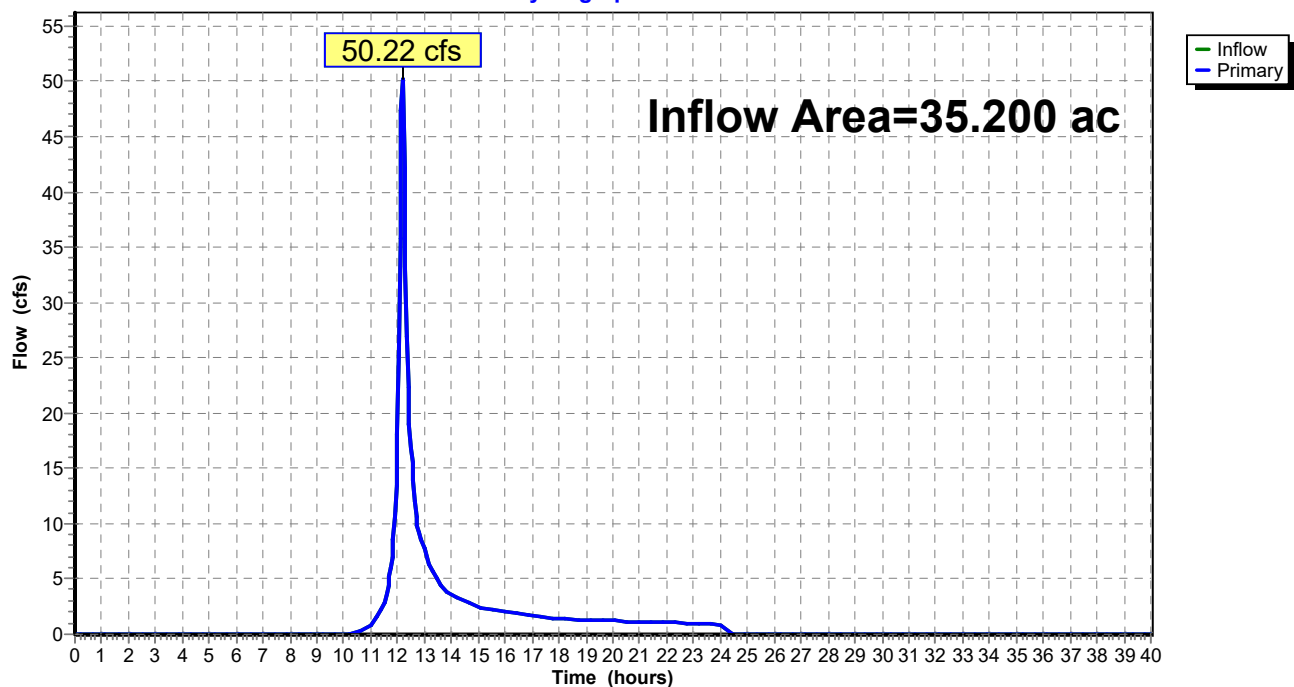
Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 1.32" for Current 2 yr event
Inflow = 50.22 cfs @ 12.19 hrs, Volume= 3.872 af
Primary = 50.22 cfs @ 12.19 hrs, Volume= 3.872 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.01	0.00	0.01
7.50	0.00	0.00	0.00	10.10	0.03	0.00	0.03
7.55	0.00	0.00	0.00	10.15	0.05	0.00	0.05
7.60	0.00	0.00	0.00	10.20	0.07	0.00	0.07
7.65	0.00	0.00	0.00	10.25	0.10	0.00	0.10
7.70	0.00	0.00	0.00	10.30	0.13	0.00	0.13
7.75	0.00	0.00	0.00	10.35	0.15	0.00	0.15

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.19	0.00	0.19	13.00	7.59	0.00	7.59
10.45	0.22	0.00	0.22	13.05	7.21	0.00	7.21
10.50	0.25	0.00	0.25	13.10	6.83	0.00	6.83
10.55	0.29	0.00	0.29	13.15	6.47	0.00	6.47
10.60	0.33	0.00	0.33	13.20	6.15	0.00	6.15
10.65	0.38	0.00	0.38	13.25	5.89	0.00	5.89
10.70	0.43	0.00	0.43	13.30	5.66	0.00	5.66
10.75	0.49	0.00	0.49	13.35	5.44	0.00	5.44
10.80	0.56	0.00	0.56	13.40	5.23	0.00	5.23
10.85	0.63	0.00	0.63	13.45	5.02	0.00	5.02
10.90	0.71	0.00	0.71	13.50	4.81	0.00	4.81
10.95	0.80	0.00	0.80	13.55	4.60	0.00	4.60
11.00	0.89	0.00	0.89	13.60	4.39	0.00	4.39
11.05	0.99	0.00	0.99	13.65	4.19	0.00	4.19
11.10	1.11	0.00	1.11	13.70	4.03	0.00	4.03
11.15	1.25	0.00	1.25	13.75	3.92	0.00	3.92
11.20	1.41	0.00	1.41	13.80	3.84	0.00	3.84
11.25	1.59	0.00	1.59	13.85	3.78	0.00	3.78
11.30	1.78	0.00	1.78	13.90	3.72	0.00	3.72
11.35	1.98	0.00	1.98	13.95	3.67	0.00	3.67
11.40	2.21	0.00	2.21	14.00	3.61	0.00	3.61
11.45	2.44	0.00	2.44	14.05	3.56	0.00	3.56
11.50	2.69	0.00	2.69	14.10	3.50	0.00	3.50
11.55	2.99	0.00	2.99	14.15	3.45	0.00	3.45
11.60	3.57	0.00	3.57	14.20	3.40	0.00	3.40
11.65	4.40	0.00	4.40	14.25	3.34	0.00	3.34
11.70	5.22	0.00	5.22	14.30	3.29	0.00	3.29
11.75	5.97	0.00	5.97	14.35	3.23	0.00	3.23
11.80	7.03	0.00	7.03	14.40	3.18	0.00	3.18
11.85	8.54	0.00	8.54	14.45	3.12	0.00	3.12
11.90	10.61	0.00	10.61	14.50	3.07	0.00	3.07
11.95	13.44	0.00	13.44	14.55	3.01	0.00	3.01
12.00	18.14	0.00	18.14	14.60	2.96	0.00	2.96
12.05	25.20	0.00	25.20	14.65	2.90	0.00	2.90
12.10	35.76	0.00	35.76	14.70	2.84	0.00	2.84
12.15	47.37	0.00	47.37	14.75	2.79	0.00	2.79
12.20	49.89	0.00	49.89	14.80	2.73	0.00	2.73
12.25	42.20	0.00	42.20	14.85	2.67	0.00	2.67
12.30	33.24	0.00	33.24	14.90	2.62	0.00	2.62
12.35	26.94	0.00	26.94	14.95	2.56	0.00	2.56
12.40	22.40	0.00	22.40	15.00	2.50	0.00	2.50
12.45	19.05	0.00	19.05	15.05	2.44	0.00	2.44
12.50	16.85	0.00	16.85	15.10	2.38	0.00	2.38
12.55	15.50	0.00	15.50	15.15	2.33	0.00	2.33
12.60	13.95	0.00	13.95	15.20	2.29	0.00	2.29
12.65	12.09	0.00	12.09	15.25	2.26	0.00	2.26
12.70	10.65	0.00	10.65	15.30	2.24	0.00	2.24
12.75	9.80	0.00	9.80	15.35	2.22	0.00	2.22
12.80	9.22	0.00	9.22	15.40	2.20	0.00	2.20
12.85	8.76	0.00	8.76	15.45	2.19	0.00	2.19
12.90	8.35	0.00	8.35	15.50	2.18	0.00	2.18
12.95	7.97	0.00	7.97	15.55	2.16	0.00	2.16

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.14	0.00	2.14	18.20	1.35	0.00	1.35
15.65	2.13	0.00	2.13	18.25	1.35	0.00	1.35
15.70	2.12	0.00	2.12	18.30	1.34	0.00	1.34
15.75	2.10	0.00	2.10	18.35	1.34	0.00	1.34
15.80	2.08	0.00	2.08	18.40	1.33	0.00	1.33
15.85	2.07	0.00	2.07	18.45	1.33	0.00	1.33
15.90	2.06	0.00	2.06	18.50	1.32	0.00	1.32
15.95	2.04	0.00	2.04	18.55	1.32	0.00	1.32
16.00	2.03	0.00	2.03	18.60	1.32	0.00	1.32
16.05	2.01	0.00	2.01	18.65	1.31	0.00	1.31
16.10	2.00	0.00	2.00	18.70	1.31	0.00	1.31
16.15	1.98	0.00	1.98	18.75	1.31	0.00	1.31
16.20	1.97	0.00	1.97	18.80	1.30	0.00	1.30
16.25	1.96	0.00	1.96	18.85	1.30	0.00	1.30
16.30	1.94	0.00	1.94	18.90	1.29	0.00	1.29
16.35	1.92	0.00	1.92	18.95	1.29	0.00	1.29
16.40	1.91	0.00	1.91	19.00	1.29	0.00	1.29
16.45	1.89	0.00	1.89	19.05	1.28	0.00	1.28
16.50	1.88	0.00	1.88	19.10	1.28	0.00	1.28
16.55	1.86	0.00	1.86	19.15	1.28	0.00	1.28
16.60	1.85	0.00	1.85	19.20	1.27	0.00	1.27
16.65	1.83	0.00	1.83	19.25	1.27	0.00	1.27
16.70	1.82	0.00	1.82	19.30	1.26	0.00	1.26
16.75	1.80	0.00	1.80	19.35	1.26	0.00	1.26
16.80	1.79	0.00	1.79	19.40	1.26	0.00	1.26
16.85	1.77	0.00	1.77	19.45	1.25	0.00	1.25
16.90	1.76	0.00	1.76	19.50	1.25	0.00	1.25
16.95	1.74	0.00	1.74	19.55	1.25	0.00	1.25
17.00	1.73	0.00	1.73	19.60	1.24	0.00	1.24
17.05	1.71	0.00	1.71	19.65	1.24	0.00	1.24
17.10	1.70	0.00	1.70	19.70	1.23	0.00	1.23
17.15	1.68	0.00	1.68	19.75	1.23	0.00	1.23
17.20	1.67	0.00	1.67	19.80	1.23	0.00	1.23
17.25	1.65	0.00	1.65	19.85	1.23	0.00	1.23
17.30	1.63	0.00	1.63	19.90	1.22	0.00	1.22
17.35	1.62	0.00	1.62	19.95	1.22	0.00	1.22
17.40	1.60	0.00	1.60	20.00	1.21	0.00	1.21
17.45	1.58	0.00	1.58	20.05	1.21	0.00	1.21
17.50	1.57	0.00	1.57	20.10	1.20	0.00	1.20
17.55	1.56	0.00	1.56	20.15	1.20	0.00	1.20
17.60	1.54	0.00	1.54	20.20	1.20	0.00	1.20
17.65	1.52	0.00	1.52	20.25	1.19	0.00	1.19
17.70	1.51	0.00	1.51	20.30	1.19	0.00	1.19
17.75	1.49	0.00	1.49	20.35	1.19	0.00	1.19
17.80	1.48	0.00	1.48	20.40	1.18	0.00	1.18
17.85	1.46	0.00	1.46	20.45	1.18	0.00	1.18
17.90	1.44	0.00	1.44	20.50	1.17	0.00	1.17
17.95	1.43	0.00	1.43	20.55	1.17	0.00	1.17
18.00	1.41	0.00	1.41	20.60	1.17	0.00	1.17
18.05	1.40	0.00	1.40	20.65	1.17	0.00	1.17
18.10	1.38	0.00	1.38	20.70	1.16	0.00	1.16
18.15	1.37	0.00	1.37	20.75	1.16	0.00	1.16

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.15	0.00	1.15	23.40	0.94	0.00	0.94
20.85	1.15	0.00	1.15	23.45	0.94	0.00	0.94
20.90	1.14	0.00	1.14	23.50	0.94	0.00	0.94
20.95	1.14	0.00	1.14	23.55	0.93	0.00	0.93
21.00	1.13	0.00	1.13	23.60	0.93	0.00	0.93
21.05	1.13	0.00	1.13	23.65	0.92	0.00	0.92
21.10	1.13	0.00	1.13	23.70	0.92	0.00	0.92
21.15	1.12	0.00	1.12	23.75	0.92	0.00	0.92
21.20	1.12	0.00	1.12	23.80	0.91	0.00	0.91
21.25	1.12	0.00	1.12	23.85	0.91	0.00	0.91
21.30	1.11	0.00	1.11	23.90	0.90	0.00	0.90
21.35	1.11	0.00	1.11	23.95	0.90	0.00	0.90
21.40	1.11	0.00	1.11	24.00	0.94	0.00	0.94
21.45	1.10	0.00	1.10	24.05	0.97	0.00	0.97
21.50	1.10	0.00	1.10	24.10	0.82	0.00	0.82
21.55	1.09	0.00	1.09	24.15	0.51	0.00	0.51
21.60	1.09	0.00	1.09	24.20	0.26	0.00	0.26
21.65	1.08	0.00	1.08	24.25	0.13	0.00	0.13
21.70	1.08	0.00	1.08	24.30	0.06	0.00	0.06
21.75	1.08	0.00	1.08	24.35	0.03	0.00	0.03
21.80	1.07	0.00	1.07	24.40	0.01	0.00	0.01
21.85	1.07	0.00	1.07	24.45	0.01	0.00	0.01
21.90	1.07	0.00	1.07	24.50	0.00	0.00	0.00
21.95	1.06	0.00	1.06	24.55	0.00	0.00	0.00
22.00	1.06	0.00	1.06	24.60	0.00	0.00	0.00
22.05	1.05	0.00	1.05	24.65	0.00	0.00	0.00
22.10	1.05	0.00	1.05	24.70	0.00	0.00	0.00
22.15	1.04	0.00	1.04	24.75	0.00	0.00	0.00
22.20	1.04	0.00	1.04	24.80	0.00	0.00	0.00
22.25	1.04	0.00	1.04	24.85	0.00	0.00	0.00
22.30	1.04	0.00	1.04	24.90	0.00	0.00	0.00
22.35	1.03	0.00	1.03	24.95	0.00	0.00	0.00
22.40	1.03	0.00	1.03	25.00	0.00	0.00	0.00
22.45	1.02	0.00	1.02	25.05	0.00	0.00	0.00
22.50	1.02	0.00	1.02	25.10	0.00	0.00	0.00
22.55	1.01	0.00	1.01	25.15	0.00	0.00	0.00
22.60	1.01	0.00	1.01	25.20	0.00	0.00	0.00
22.65	1.01	0.00	1.01	25.25	0.00	0.00	0.00
22.70	1.00	0.00	1.00	25.30	0.00	0.00	0.00
22.75	1.00	0.00	1.00	25.35	0.00	0.00	0.00
22.80	0.99	0.00	0.99	25.40	0.00	0.00	0.00
22.85	0.99	0.00	0.99	25.45	0.00	0.00	0.00
22.90	0.98	0.00	0.98	25.50	0.00	0.00	0.00
22.95	0.98	0.00	0.98	25.55	0.00	0.00	0.00
23.00	0.98	0.00	0.98	25.60	0.00	0.00	0.00
23.05	0.98	0.00	0.98	25.65	0.00	0.00	0.00
23.10	0.97	0.00	0.97	25.70	0.00	0.00	0.00
23.15	0.97	0.00	0.97	25.75	0.00	0.00	0.00
23.20	0.96	0.00	0.96	25.80	0.00	0.00	0.00
23.25	0.96	0.00	0.96	25.85	0.00	0.00	0.00
23.30	0.95	0.00	0.95	25.90	0.00	0.00	0.00
23.35	0.95	0.00	0.95	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

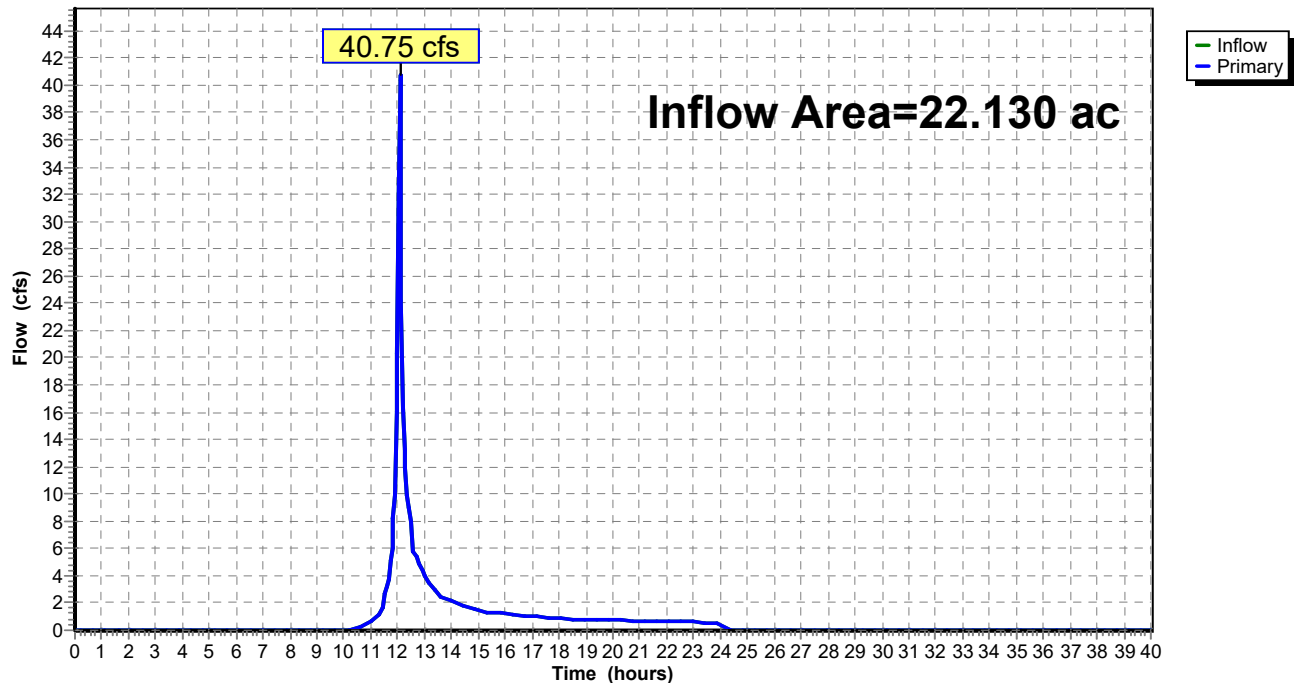
Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 1.26" for Current 2 yr event
Inflow = 40.75 cfs @ 12.09 hrs, Volume= 2.319 af
Primary = 40.75 cfs @ 12.09 hrs, Volume= 2.319 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.01	0.00	0.01
7.65	0.00	0.00	0.00	10.25	0.02	0.00	0.02
7.70	0.00	0.00	0.00	10.30	0.04	0.00	0.04
7.75	0.00	0.00	0.00	10.35	0.06	0.00	0.06

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.08	0.00	0.08	13.00	4.10	0.00	4.10
10.45	0.10	0.00	0.10	13.05	3.78	0.00	3.78
10.50	0.12	0.00	0.12	13.10	3.65	0.00	3.65
10.55	0.15	0.00	0.15	13.15	3.47	0.00	3.47
10.60	0.18	0.00	0.18	13.20	3.40	0.00	3.40
10.65	0.22	0.00	0.22	13.25	3.23	0.00	3.23
10.70	0.25	0.00	0.25	13.30	3.15	0.00	3.15
10.75	0.30	0.00	0.30	13.35	2.97	0.00	2.97
10.80	0.34	0.00	0.34	13.40	2.90	0.00	2.90
10.85	0.40	0.00	0.40	13.45	2.72	0.00	2.72
10.90	0.44	0.00	0.44	13.50	2.64	0.00	2.64
10.95	0.51	0.00	0.51	13.55	2.46	0.00	2.46
11.00	0.56	0.00	0.56	13.60	2.39	0.00	2.39
11.05	0.67	0.00	0.67	13.65	2.34	0.00	2.34
11.10	0.74	0.00	0.74	13.70	2.32	0.00	2.32
11.15	0.87	0.00	0.87	13.75	2.27	0.00	2.27
11.20	0.96	0.00	0.96	13.80	2.26	0.00	2.26
11.25	1.10	0.00	1.10	13.85	2.21	0.00	2.21
11.30	1.22	0.00	1.22	13.90	2.20	0.00	2.20
11.35	1.38	0.00	1.38	13.95	2.15	0.00	2.15
11.40	1.51	0.00	1.51	14.00	2.13	0.00	2.13
11.45	1.68	0.00	1.68	14.05	2.08	0.00	2.08
11.50	1.83	0.00	1.83	14.10	2.06	0.00	2.06
11.55	2.66	0.00	2.66	14.15	2.02	0.00	2.02
11.60	3.19	0.00	3.19	14.20	2.00	0.00	2.00
11.65	3.55	0.00	3.55	14.25	1.95	0.00	1.95
11.70	3.88	0.00	3.88	14.30	1.93	0.00	1.93
11.75	5.18	0.00	5.18	14.35	1.88	0.00	1.88
11.80	6.08	0.00	6.08	14.40	1.86	0.00	1.86
11.85	8.26	0.00	8.26	14.45	1.82	0.00	1.82
11.90	9.89	0.00	9.89	14.50	1.80	0.00	1.80
11.95	16.01	0.00	16.01	14.55	1.75	0.00	1.75
12.00	20.37	0.00	20.37	14.60	1.73	0.00	1.73
12.05	32.81	0.00	32.81	14.65	1.68	0.00	1.68
12.10	40.35	0.00	40.35	14.70	1.66	0.00	1.66
12.15	24.18	0.00	24.18	14.75	1.61	0.00	1.61
12.20	16.37	0.00	16.37	14.80	1.59	0.00	1.59
12.25	13.20	0.00	13.20	14.85	1.54	0.00	1.54
12.30	12.00	0.00	12.00	14.90	1.52	0.00	1.52
12.35	9.90	0.00	9.90	14.95	1.47	0.00	1.47
12.40	9.04	0.00	9.04	15.00	1.45	0.00	1.45
12.45	8.78	0.00	8.78	15.05	1.40	0.00	1.40
12.50	8.66	0.00	8.66	15.10	1.38	0.00	1.38
12.55	6.65	0.00	6.65	15.15	1.36	0.00	1.36
12.60	5.77	0.00	5.77	15.20	1.36	0.00	1.36
12.65	5.51	0.00	5.51	15.25	1.35	0.00	1.35
12.70	5.42	0.00	5.42	15.30	1.34	0.00	1.34
12.75	5.13	0.00	5.13	15.35	1.33	0.00	1.33
12.80	5.00	0.00	5.00	15.40	1.33	0.00	1.33
12.85	4.69	0.00	4.69	15.45	1.31	0.00	1.31
12.90	4.56	0.00	4.56	15.50	1.31	0.00	1.31
12.95	4.24	0.00	4.24	15.55	1.30	0.00	1.30

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.29	0.00	1.29	18.20	0.82	0.00	0.82
15.65	1.28	0.00	1.28	18.25	0.82	0.00	0.82
15.70	1.27	0.00	1.27	18.30	0.81	0.00	0.81
15.75	1.26	0.00	1.26	18.35	0.81	0.00	0.81
15.80	1.25	0.00	1.25	18.40	0.81	0.00	0.81
15.85	1.24	0.00	1.24	18.45	0.81	0.00	0.81
15.90	1.24	0.00	1.24	18.50	0.81	0.00	0.81
15.95	1.22	0.00	1.22	18.55	0.80	0.00	0.80
16.00	1.22	0.00	1.22	18.60	0.80	0.00	0.80
16.05	1.21	0.00	1.21	18.65	0.80	0.00	0.80
16.10	1.20	0.00	1.20	18.70	0.80	0.00	0.80
16.15	1.19	0.00	1.19	18.75	0.79	0.00	0.79
16.20	1.18	0.00	1.18	18.80	0.79	0.00	0.79
16.25	1.17	0.00	1.17	18.85	0.79	0.00	0.79
16.30	1.16	0.00	1.16	18.90	0.79	0.00	0.79
16.35	1.15	0.00	1.15	18.95	0.78	0.00	0.78
16.40	1.15	0.00	1.15	19.00	0.78	0.00	0.78
16.45	1.13	0.00	1.13	19.05	0.78	0.00	0.78
16.50	1.12	0.00	1.12	19.10	0.78	0.00	0.78
16.55	1.12	0.00	1.12	19.15	0.77	0.00	0.77
16.60	1.11	0.00	1.11	19.20	0.77	0.00	0.77
16.65	1.10	0.00	1.10	19.25	0.77	0.00	0.77
16.70	1.09	0.00	1.09	19.30	0.77	0.00	0.77
16.75	1.08	0.00	1.08	19.35	0.77	0.00	0.77
16.80	1.07	0.00	1.07	19.40	0.76	0.00	0.76
16.85	1.06	0.00	1.06	19.45	0.76	0.00	0.76
16.90	1.05	0.00	1.05	19.50	0.76	0.00	0.76
16.95	1.04	0.00	1.04	19.55	0.76	0.00	0.76
17.00	1.04	0.00	1.04	19.60	0.76	0.00	0.76
17.05	1.02	0.00	1.02	19.65	0.75	0.00	0.75
17.10	1.02	0.00	1.02	19.70	0.75	0.00	0.75
17.15	1.00	0.00	1.00	19.75	0.75	0.00	0.75
17.20	1.00	0.00	1.00	19.80	0.75	0.00	0.75
17.25	0.98	0.00	0.98	19.85	0.74	0.00	0.74
17.30	0.97	0.00	0.97	19.90	0.74	0.00	0.74
17.35	0.96	0.00	0.96	19.95	0.74	0.00	0.74
17.40	0.96	0.00	0.96	20.00	0.74	0.00	0.74
17.45	0.95	0.00	0.95	20.05	0.73	0.00	0.73
17.50	0.94	0.00	0.94	20.10	0.73	0.00	0.73
17.55	0.93	0.00	0.93	20.15	0.73	0.00	0.73
17.60	0.92	0.00	0.92	20.20	0.73	0.00	0.73
17.65	0.91	0.00	0.91	20.25	0.72	0.00	0.72
17.70	0.90	0.00	0.90	20.30	0.72	0.00	0.72
17.75	0.89	0.00	0.89	20.35	0.72	0.00	0.72
17.80	0.88	0.00	0.88	20.40	0.72	0.00	0.72
17.85	0.87	0.00	0.87	20.45	0.71	0.00	0.71
17.90	0.86	0.00	0.86	20.50	0.71	0.00	0.71
17.95	0.85	0.00	0.85	20.55	0.71	0.00	0.71
18.00	0.84	0.00	0.84	20.60	0.71	0.00	0.71
18.05	0.83	0.00	0.83	20.65	0.71	0.00	0.71
18.10	0.82	0.00	0.82	20.70	0.70	0.00	0.70
18.15	0.82	0.00	0.82	20.75	0.70	0.00	0.70

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.70	0.00	0.70	23.40	0.58	0.00	0.58
20.85	0.70	0.00	0.70	23.45	0.57	0.00	0.57
20.90	0.69	0.00	0.69	23.50	0.57	0.00	0.57
20.95	0.69	0.00	0.69	23.55	0.56	0.00	0.56
21.00	0.69	0.00	0.69	23.60	0.56	0.00	0.56
21.05	0.69	0.00	0.69	23.65	0.56	0.00	0.56
21.10	0.68	0.00	0.68	23.70	0.56	0.00	0.56
21.15	0.68	0.00	0.68	23.75	0.56	0.00	0.56
21.20	0.68	0.00	0.68	23.80	0.55	0.00	0.55
21.25	0.68	0.00	0.68	23.85	0.55	0.00	0.55
21.30	0.68	0.00	0.68	23.90	0.55	0.00	0.55
21.35	0.67	0.00	0.67	23.95	0.64	0.00	0.64
21.40	0.67	0.00	0.67	24.00	0.66	0.00	0.66
21.45	0.67	0.00	0.67	24.05	0.21	0.00	0.21
21.50	0.67	0.00	0.67	24.10	0.01	0.00	0.01
21.55	0.66	0.00	0.66	24.15	0.00	0.00	0.00
21.60	0.66	0.00	0.66	24.20	0.00	0.00	0.00
21.65	0.66	0.00	0.66	24.25	0.00	0.00	0.00
21.70	0.66	0.00	0.66	24.30	0.00	0.00	0.00
21.75	0.66	0.00	0.66	24.35	0.00	0.00	0.00
21.80	0.66	0.00	0.66	24.40	0.00	0.00	0.00
21.85	0.65	0.00	0.65	24.45	0.00	0.00	0.00
21.90	0.65	0.00	0.65	24.50	0.00	0.00	0.00
21.95	0.64	0.00	0.64	24.55	0.00	0.00	0.00
22.00	0.64	0.00	0.64	24.60	0.00	0.00	0.00
22.05	0.64	0.00	0.64	24.65	0.00	0.00	0.00
22.10	0.64	0.00	0.64	24.70	0.00	0.00	0.00
22.15	0.64	0.00	0.64	24.75	0.00	0.00	0.00
22.20	0.64	0.00	0.64	24.80	0.00	0.00	0.00
22.25	0.63	0.00	0.63	24.85	0.00	0.00	0.00
22.30	0.63	0.00	0.63	24.90	0.00	0.00	0.00
22.35	0.62	0.00	0.62	24.95	0.00	0.00	0.00
22.40	0.62	0.00	0.62	25.00	0.00	0.00	0.00
22.45	0.62	0.00	0.62	25.05	0.00	0.00	0.00
22.50	0.62	0.00	0.62	25.10	0.00	0.00	0.00
22.55	0.62	0.00	0.62	25.15	0.00	0.00	0.00
22.60	0.62	0.00	0.62	25.20	0.00	0.00	0.00
22.65	0.61	0.00	0.61	25.25	0.00	0.00	0.00
22.70	0.61	0.00	0.61	25.30	0.00	0.00	0.00
22.75	0.60	0.00	0.60	25.35	0.00	0.00	0.00
22.80	0.60	0.00	0.60	25.40	0.00	0.00	0.00
22.85	0.60	0.00	0.60	25.45	0.00	0.00	0.00
22.90	0.60	0.00	0.60	25.50	0.00	0.00	0.00
22.95	0.60	0.00	0.60	25.55	0.00	0.00	0.00
23.00	0.60	0.00	0.60	25.60	0.00	0.00	0.00
23.05	0.59	0.00	0.59	25.65	0.00	0.00	0.00
23.10	0.59	0.00	0.59	25.70	0.00	0.00	0.00
23.15	0.58	0.00	0.58	25.75	0.00	0.00	0.00
23.20	0.58	0.00	0.58	25.80	0.00	0.00	0.00
23.25	0.58	0.00	0.58	25.85	0.00	0.00	0.00
23.30	0.58	0.00	0.58	25.90	0.00	0.00	0.00
23.35	0.58	0.00	0.58	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

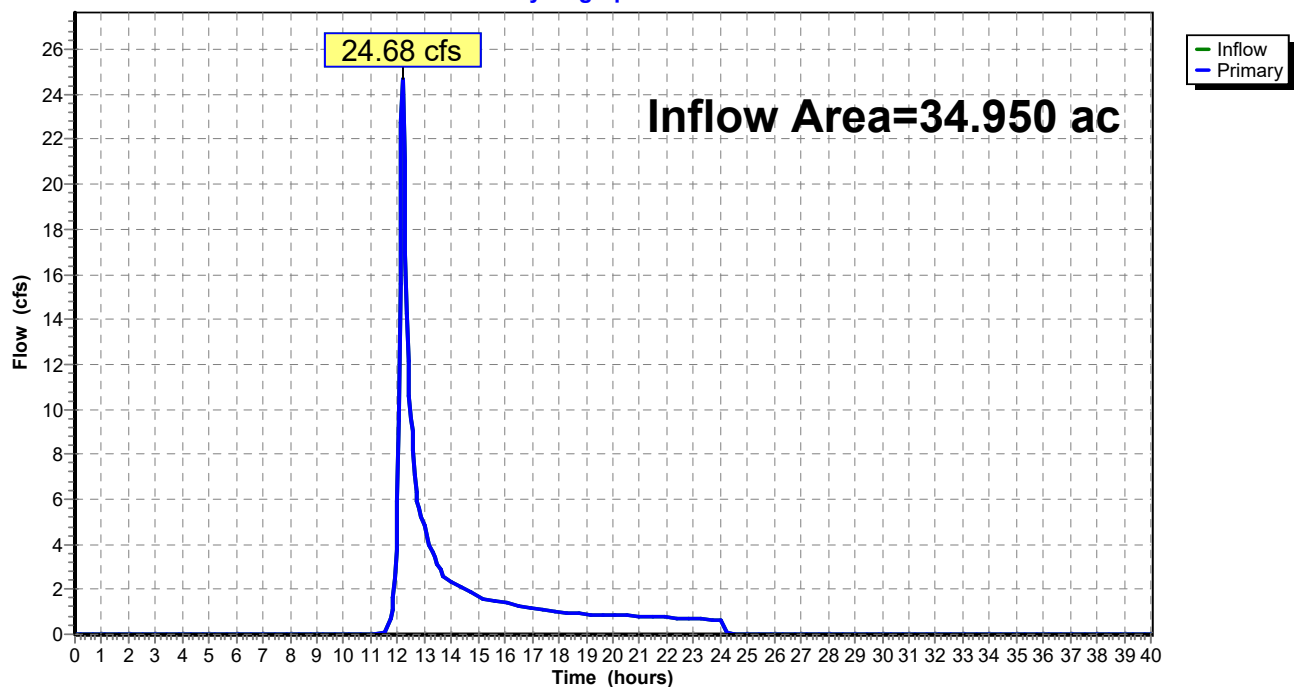
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 0.73" for Current 2 yr event
Inflow = 24.68 cfs @ 12.19 hrs, Volume= 2.116 af
Primary = 24.68 cfs @ 12.19 hrs, Volume= 2.116 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	4.71	0.00	4.71
10.45	0.00	0.00	0.00	13.05	4.50	0.00	4.50
10.50	0.00	0.00	0.00	13.10	4.27	0.00	4.27
10.55	0.00	0.00	0.00	13.15	4.05	0.00	4.05
10.60	0.00	0.00	0.00	13.20	3.87	0.00	3.87
10.65	0.00	0.00	0.00	13.25	3.72	0.00	3.72
10.70	0.00	0.00	0.00	13.30	3.58	0.00	3.58
10.75	0.00	0.00	0.00	13.35	3.46	0.00	3.46
10.80	0.00	0.00	0.00	13.40	3.33	0.00	3.33
10.85	0.00	0.00	0.00	13.45	3.20	0.00	3.20
10.90	0.00	0.00	0.00	13.50	3.07	0.00	3.07
10.95	0.00	0.00	0.00	13.55	2.94	0.00	2.94
11.00	0.00	0.00	0.00	13.60	2.81	0.00	2.81
11.05	0.00	0.00	0.00	13.65	2.69	0.00	2.69
11.10	0.00	0.00	0.00	13.70	2.60	0.00	2.60
11.15	0.00	0.00	0.00	13.75	2.54	0.00	2.54
11.20	0.00	0.00	0.00	13.80	2.49	0.00	2.49
11.25	0.00	0.00	0.00	13.85	2.45	0.00	2.45
11.30	0.00	0.00	0.00	13.90	2.42	0.00	2.42
11.35	0.00	0.00	0.00	13.95	2.39	0.00	2.39
11.40	0.00	0.00	0.00	14.00	2.36	0.00	2.36
11.45	0.00	0.00	0.00	14.05	2.33	0.00	2.33
11.50	0.00	0.00	0.00	14.10	2.29	0.00	2.29
11.55	0.00	0.00	0.00	14.15	2.26	0.00	2.26
11.60	0.05	0.00	0.05	14.20	2.23	0.00	2.23
11.65	0.18	0.00	0.18	14.25	2.20	0.00	2.20
11.70	0.39	0.00	0.39	14.30	2.16	0.00	2.16
11.75	0.66	0.00	0.66	14.35	2.13	0.00	2.13
11.80	1.07	0.00	1.07	14.40	2.09	0.00	2.09
11.85	1.64	0.00	1.64	14.45	2.06	0.00	2.06
11.90	2.47	0.00	2.47	14.50	2.03	0.00	2.03
11.95	3.71	0.00	3.71	14.55	1.99	0.00	1.99
12.00	5.92	0.00	5.92	14.60	1.96	0.00	1.96
12.05	9.49	0.00	9.49	14.65	1.92	0.00	1.92
12.10	15.54	0.00	15.54	14.70	1.88	0.00	1.88
12.15	22.70	0.00	22.70	14.75	1.85	0.00	1.85
12.20	24.62	0.00	24.62	14.80	1.81	0.00	1.81
12.25	21.03	0.00	21.03	14.85	1.78	0.00	1.78
12.30	17.01	0.00	17.01	14.90	1.74	0.00	1.74
12.35	14.25	0.00	14.25	14.95	1.70	0.00	1.70
12.40	12.18	0.00	12.18	15.00	1.66	0.00	1.66
12.45	10.60	0.00	10.60	15.05	1.63	0.00	1.63
12.50	9.61	0.00	9.61	15.10	1.59	0.00	1.59
12.55	9.03	0.00	9.03	15.15	1.56	0.00	1.56
12.60	8.17	0.00	8.17	15.20	1.53	0.00	1.53
12.65	7.10	0.00	7.10	15.25	1.51	0.00	1.51
12.70	6.33	0.00	6.33	15.30	1.50	0.00	1.50
12.75	5.90	0.00	5.90	15.35	1.49	0.00	1.49
12.80	5.61	0.00	5.61	15.40	1.48	0.00	1.48
12.85	5.37	0.00	5.37	15.45	1.47	0.00	1.47
12.90	5.14	0.00	5.14	15.50	1.46	0.00	1.46
12.95	4.93	0.00	4.93	15.55	1.45	0.00	1.45

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.45	0.00	1.45	18.20	0.94	0.00	0.94
15.65	1.44	0.00	1.44	18.25	0.93	0.00	0.93
15.70	1.43	0.00	1.43	18.30	0.93	0.00	0.93
15.75	1.42	0.00	1.42	18.35	0.93	0.00	0.93
15.80	1.41	0.00	1.41	18.40	0.92	0.00	0.92
15.85	1.40	0.00	1.40	18.45	0.92	0.00	0.92
15.90	1.39	0.00	1.39	18.50	0.92	0.00	0.92
15.95	1.38	0.00	1.38	18.55	0.92	0.00	0.92
16.00	1.37	0.00	1.37	18.60	0.91	0.00	0.91
16.05	1.36	0.00	1.36	18.65	0.91	0.00	0.91
16.10	1.36	0.00	1.36	18.70	0.91	0.00	0.91
16.15	1.35	0.00	1.35	18.75	0.91	0.00	0.91
16.20	1.34	0.00	1.34	18.80	0.91	0.00	0.91
16.25	1.33	0.00	1.33	18.85	0.90	0.00	0.90
16.30	1.32	0.00	1.32	18.90	0.90	0.00	0.90
16.35	1.31	0.00	1.31	18.95	0.90	0.00	0.90
16.40	1.30	0.00	1.30	19.00	0.90	0.00	0.90
16.45	1.29	0.00	1.29	19.05	0.89	0.00	0.89
16.50	1.28	0.00	1.28	19.10	0.89	0.00	0.89
16.55	1.27	0.00	1.27	19.15	0.89	0.00	0.89
16.60	1.26	0.00	1.26	19.20	0.89	0.00	0.89
16.65	1.25	0.00	1.25	19.25	0.88	0.00	0.88
16.70	1.24	0.00	1.24	19.30	0.88	0.00	0.88
16.75	1.23	0.00	1.23	19.35	0.88	0.00	0.88
16.80	1.22	0.00	1.22	19.40	0.88	0.00	0.88
16.85	1.21	0.00	1.21	19.45	0.88	0.00	0.88
16.90	1.20	0.00	1.20	19.50	0.87	0.00	0.87
16.95	1.19	0.00	1.19	19.55	0.87	0.00	0.87
17.00	1.18	0.00	1.18	19.60	0.87	0.00	0.87
17.05	1.17	0.00	1.17	19.65	0.87	0.00	0.87
17.10	1.16	0.00	1.16	19.70	0.86	0.00	0.86
17.15	1.15	0.00	1.15	19.75	0.86	0.00	0.86
17.20	1.14	0.00	1.14	19.80	0.86	0.00	0.86
17.25	1.13	0.00	1.13	19.85	0.86	0.00	0.86
17.30	1.12	0.00	1.12	19.90	0.86	0.00	0.86
17.35	1.11	0.00	1.11	19.95	0.85	0.00	0.85
17.40	1.10	0.00	1.10	20.00	0.85	0.00	0.85
17.45	1.09	0.00	1.09	20.05	0.85	0.00	0.85
17.50	1.08	0.00	1.08	20.10	0.84	0.00	0.84
17.55	1.07	0.00	1.07	20.15	0.84	0.00	0.84
17.60	1.06	0.00	1.06	20.20	0.84	0.00	0.84
17.65	1.05	0.00	1.05	20.25	0.84	0.00	0.84
17.70	1.04	0.00	1.04	20.30	0.83	0.00	0.83
17.75	1.03	0.00	1.03	20.35	0.83	0.00	0.83
17.80	1.02	0.00	1.02	20.40	0.83	0.00	0.83
17.85	1.01	0.00	1.01	20.45	0.83	0.00	0.83
17.90	1.00	0.00	1.00	20.50	0.82	0.00	0.82
17.95	0.99	0.00	0.99	20.55	0.82	0.00	0.82
18.00	0.98	0.00	0.98	20.60	0.82	0.00	0.82
18.05	0.96	0.00	0.96	20.65	0.82	0.00	0.82
18.10	0.95	0.00	0.95	20.70	0.82	0.00	0.82
18.15	0.94	0.00	0.94	20.75	0.81	0.00	0.81

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.81	0.00	0.81	23.40	0.67	0.00	0.67
20.85	0.81	0.00	0.81	23.45	0.67	0.00	0.67
20.90	0.80	0.00	0.80	23.50	0.67	0.00	0.67
20.95	0.80	0.00	0.80	23.55	0.67	0.00	0.67
21.00	0.80	0.00	0.80	23.60	0.66	0.00	0.66
21.05	0.80	0.00	0.80	23.65	0.66	0.00	0.66
21.10	0.79	0.00	0.79	23.70	0.66	0.00	0.66
21.15	0.79	0.00	0.79	23.75	0.66	0.00	0.66
21.20	0.79	0.00	0.79	23.80	0.65	0.00	0.65
21.25	0.79	0.00	0.79	23.85	0.65	0.00	0.65
21.30	0.79	0.00	0.79	23.90	0.64	0.00	0.64
21.35	0.79	0.00	0.79	23.95	0.65	0.00	0.65
21.40	0.78	0.00	0.78	24.00	0.68	0.00	0.68
21.45	0.78	0.00	0.78	24.05	0.70	0.00	0.70
21.50	0.77	0.00	0.77	24.10	0.57	0.00	0.57
21.55	0.77	0.00	0.77	24.15	0.33	0.00	0.33
21.60	0.77	0.00	0.77	24.20	0.15	0.00	0.15
21.65	0.77	0.00	0.77	24.25	0.07	0.00	0.07
21.70	0.76	0.00	0.76	24.30	0.03	0.00	0.03
21.75	0.76	0.00	0.76	24.35	0.02	0.00	0.02
21.80	0.76	0.00	0.76	24.40	0.01	0.00	0.01
21.85	0.76	0.00	0.76	24.45	0.00	0.00	0.00
21.90	0.76	0.00	0.76	24.50	0.00	0.00	0.00
21.95	0.75	0.00	0.75	24.55	0.00	0.00	0.00
22.00	0.75	0.00	0.75	24.60	0.00	0.00	0.00
22.05	0.75	0.00	0.75	24.65	0.00	0.00	0.00
22.10	0.74	0.00	0.74	24.70	0.00	0.00	0.00
22.15	0.74	0.00	0.74	24.75	0.00	0.00	0.00
22.20	0.74	0.00	0.74	24.80	0.00	0.00	0.00
22.25	0.74	0.00	0.74	24.85	0.00	0.00	0.00
22.30	0.74	0.00	0.74	24.90	0.00	0.00	0.00
22.35	0.73	0.00	0.73	24.95	0.00	0.00	0.00
22.40	0.73	0.00	0.73	25.00	0.00	0.00	0.00
22.45	0.72	0.00	0.72	25.05	0.00	0.00	0.00
22.50	0.72	0.00	0.72	25.10	0.00	0.00	0.00
22.55	0.72	0.00	0.72	25.15	0.00	0.00	0.00
22.60	0.72	0.00	0.72	25.20	0.00	0.00	0.00
22.65	0.72	0.00	0.72	25.25	0.00	0.00	0.00
22.70	0.71	0.00	0.71	25.30	0.00	0.00	0.00
22.75	0.71	0.00	0.71	25.35	0.00	0.00	0.00
22.80	0.71	0.00	0.71	25.40	0.00	0.00	0.00
22.85	0.70	0.00	0.70	25.45	0.00	0.00	0.00
22.90	0.70	0.00	0.70	25.50	0.00	0.00	0.00
22.95	0.70	0.00	0.70	25.55	0.00	0.00	0.00
23.00	0.70	0.00	0.70	25.60	0.00	0.00	0.00
23.05	0.69	0.00	0.69	25.65	0.00	0.00	0.00
23.10	0.69	0.00	0.69	25.70	0.00	0.00	0.00
23.15	0.69	0.00	0.69	25.75	0.00	0.00	0.00
23.20	0.68	0.00	0.68	25.80	0.00	0.00	0.00
23.25	0.68	0.00	0.68	25.85	0.00	0.00	0.00
23.30	0.68	0.00	0.68	25.90	0.00	0.00	0.00
23.35	0.67	0.00	0.67	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

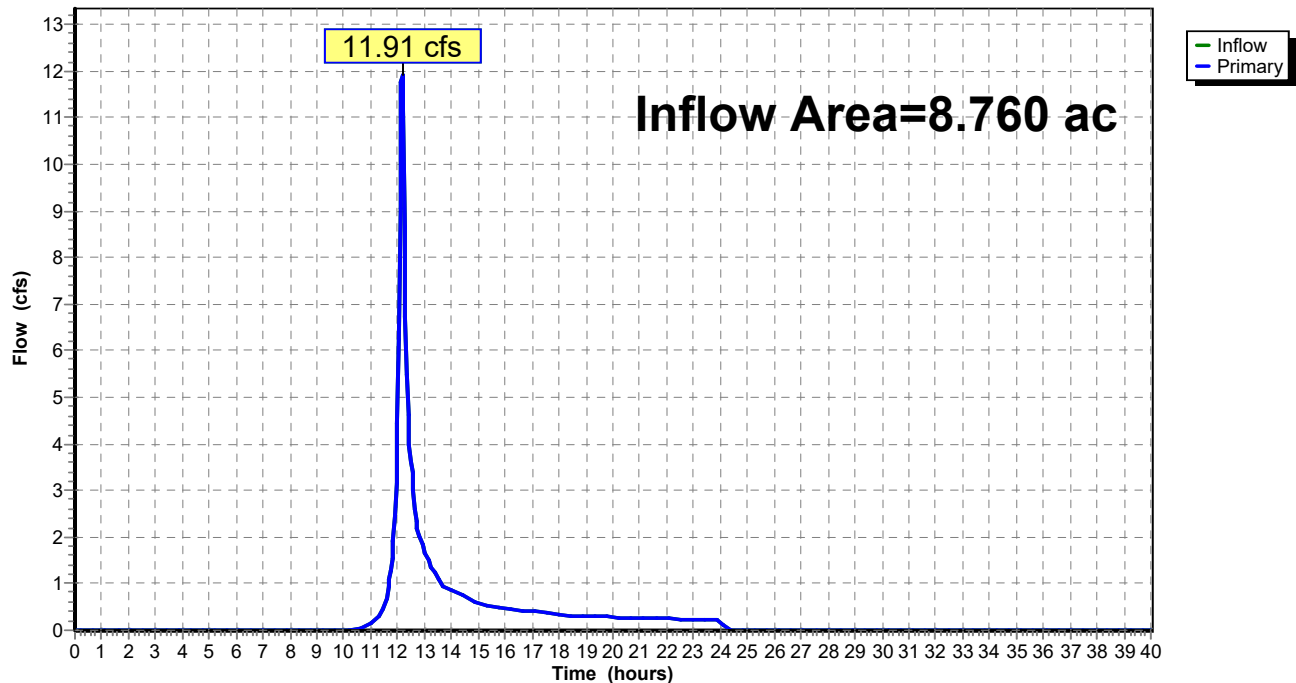
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 1.20" for Current 2 yr event
 Inflow = 11.91 cfs @ 12.17 hrs, Volume= 0.874 af
 Primary = 11.91 cfs @ 12.17 hrs, Volume= 0.874 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	1.71	0.00	1.71
10.45	0.00	0.00	0.00	13.05	1.63	0.00	1.63
10.50	0.00	0.00	0.00	13.10	1.54	0.00	1.54
10.55	0.01	0.00	0.01	13.15	1.46	0.00	1.46
10.60	0.02	0.00	0.02	13.20	1.39	0.00	1.39
10.65	0.03	0.00	0.03	13.25	1.34	0.00	1.34
10.70	0.04	0.00	0.04	13.30	1.29	0.00	1.29
10.75	0.05	0.00	0.05	13.35	1.24	0.00	1.24
10.80	0.06	0.00	0.06	13.40	1.19	0.00	1.19
10.85	0.08	0.00	0.08	13.45	1.14	0.00	1.14
10.90	0.09	0.00	0.09	13.50	1.09	0.00	1.09
10.95	0.11	0.00	0.11	13.55	1.05	0.00	1.05
11.00	0.13	0.00	0.13	13.60	1.00	0.00	1.00
11.05	0.15	0.00	0.15	13.65	0.95	0.00	0.95
11.10	0.18	0.00	0.18	13.70	0.92	0.00	0.92
11.15	0.21	0.00	0.21	13.75	0.90	0.00	0.90
11.20	0.24	0.00	0.24	13.80	0.89	0.00	0.89
11.25	0.28	0.00	0.28	13.85	0.87	0.00	0.87
11.30	0.32	0.00	0.32	13.90	0.86	0.00	0.86
11.35	0.36	0.00	0.36	13.95	0.85	0.00	0.85
11.40	0.41	0.00	0.41	14.00	0.84	0.00	0.84
11.45	0.47	0.00	0.47	14.05	0.82	0.00	0.82
11.50	0.52	0.00	0.52	14.10	0.81	0.00	0.81
11.55	0.59	0.00	0.59	14.15	0.80	0.00	0.80
11.60	0.74	0.00	0.74	14.20	0.79	0.00	0.79
11.65	0.94	0.00	0.94	14.25	0.78	0.00	0.78
11.70	1.10	0.00	1.10	14.30	0.76	0.00	0.76
11.75	1.27	0.00	1.27	14.35	0.75	0.00	0.75
11.80	1.54	0.00	1.54	14.40	0.74	0.00	0.74
11.85	1.91	0.00	1.91	14.45	0.72	0.00	0.72
11.90	2.43	0.00	2.43	14.50	0.71	0.00	0.71
11.95	3.16	0.00	3.16	14.55	0.70	0.00	0.70
12.00	4.43	0.00	4.43	14.60	0.69	0.00	0.69
12.05	6.25	0.00	6.25	14.65	0.67	0.00	0.67
12.10	9.07	0.00	9.07	14.70	0.66	0.00	0.66
12.15	11.75	0.00	11.75	14.75	0.65	0.00	0.65
12.20	11.16	0.00	11.16	14.80	0.63	0.00	0.63
12.25	8.65	0.00	8.65	14.85	0.62	0.00	0.62
12.30	6.72	0.00	6.72	14.90	0.61	0.00	0.61
12.35	5.50	0.00	5.50	14.95	0.59	0.00	0.59
12.40	4.62	0.00	4.62	15.00	0.58	0.00	0.58
12.45	3.98	0.00	3.98	15.05	0.56	0.00	0.56
12.50	3.62	0.00	3.62	15.10	0.55	0.00	0.55
12.55	3.39	0.00	3.39	15.15	0.54	0.00	0.54
12.60	3.01	0.00	3.01	15.20	0.53	0.00	0.53
12.65	2.58	0.00	2.58	15.25	0.53	0.00	0.53
12.70	2.32	0.00	2.32	15.30	0.52	0.00	0.52
12.75	2.17	0.00	2.17	15.35	0.52	0.00	0.52
12.80	2.06	0.00	2.06	15.40	0.51	0.00	0.51
12.85	1.97	0.00	1.97	15.45	0.51	0.00	0.51
12.90	1.88	0.00	1.88	15.50	0.51	0.00	0.51
12.95	1.80	0.00	1.80	15.55	0.50	0.00	0.50

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.50	0.00	0.50	18.20	0.32	0.00	0.32
15.65	0.50	0.00	0.50	18.25	0.32	0.00	0.32
15.70	0.49	0.00	0.49	18.30	0.31	0.00	0.31
15.75	0.49	0.00	0.49	18.35	0.31	0.00	0.31
15.80	0.49	0.00	0.49	18.40	0.31	0.00	0.31
15.85	0.48	0.00	0.48	18.45	0.31	0.00	0.31
15.90	0.48	0.00	0.48	18.50	0.31	0.00	0.31
15.95	0.48	0.00	0.48	18.55	0.31	0.00	0.31
16.00	0.47	0.00	0.47	18.60	0.31	0.00	0.31
16.05	0.47	0.00	0.47	18.65	0.31	0.00	0.31
16.10	0.47	0.00	0.47	18.70	0.31	0.00	0.31
16.15	0.46	0.00	0.46	18.75	0.31	0.00	0.31
16.20	0.46	0.00	0.46	18.80	0.31	0.00	0.31
16.25	0.46	0.00	0.46	18.85	0.31	0.00	0.31
16.30	0.45	0.00	0.45	18.90	0.30	0.00	0.30
16.35	0.45	0.00	0.45	18.95	0.30	0.00	0.30
16.40	0.45	0.00	0.45	19.00	0.30	0.00	0.30
16.45	0.44	0.00	0.44	19.05	0.30	0.00	0.30
16.50	0.44	0.00	0.44	19.10	0.30	0.00	0.30
16.55	0.44	0.00	0.44	19.15	0.30	0.00	0.30
16.60	0.43	0.00	0.43	19.20	0.30	0.00	0.30
16.65	0.43	0.00	0.43	19.25	0.30	0.00	0.30
16.70	0.43	0.00	0.43	19.30	0.30	0.00	0.30
16.75	0.42	0.00	0.42	19.35	0.30	0.00	0.30
16.80	0.42	0.00	0.42	19.40	0.30	0.00	0.30
16.85	0.41	0.00	0.41	19.45	0.29	0.00	0.29
16.90	0.41	0.00	0.41	19.50	0.29	0.00	0.29
16.95	0.41	0.00	0.41	19.55	0.29	0.00	0.29
17.00	0.40	0.00	0.40	19.60	0.29	0.00	0.29
17.05	0.40	0.00	0.40	19.65	0.29	0.00	0.29
17.10	0.40	0.00	0.40	19.70	0.29	0.00	0.29
17.15	0.39	0.00	0.39	19.75	0.29	0.00	0.29
17.20	0.39	0.00	0.39	19.80	0.29	0.00	0.29
17.25	0.39	0.00	0.39	19.85	0.29	0.00	0.29
17.30	0.38	0.00	0.38	19.90	0.29	0.00	0.29
17.35	0.38	0.00	0.38	19.95	0.29	0.00	0.29
17.40	0.37	0.00	0.37	20.00	0.29	0.00	0.29
17.45	0.37	0.00	0.37	20.05	0.28	0.00	0.28
17.50	0.37	0.00	0.37	20.10	0.28	0.00	0.28
17.55	0.36	0.00	0.36	20.15	0.28	0.00	0.28
17.60	0.36	0.00	0.36	20.20	0.28	0.00	0.28
17.65	0.36	0.00	0.36	20.25	0.28	0.00	0.28
17.70	0.35	0.00	0.35	20.30	0.28	0.00	0.28
17.75	0.35	0.00	0.35	20.35	0.28	0.00	0.28
17.80	0.35	0.00	0.35	20.40	0.28	0.00	0.28
17.85	0.34	0.00	0.34	20.45	0.28	0.00	0.28
17.90	0.34	0.00	0.34	20.50	0.28	0.00	0.28
17.95	0.33	0.00	0.33	20.55	0.28	0.00	0.28
18.00	0.33	0.00	0.33	20.60	0.28	0.00	0.28
18.05	0.33	0.00	0.33	20.65	0.27	0.00	0.27
18.10	0.32	0.00	0.32	20.70	0.27	0.00	0.27
18.15	0.32	0.00	0.32	20.75	0.27	0.00	0.27

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.27	0.00	0.27	23.40	0.22	0.00	0.22
20.85	0.27	0.00	0.27	23.45	0.22	0.00	0.22
20.90	0.27	0.00	0.27	23.50	0.22	0.00	0.22
20.95	0.27	0.00	0.27	23.55	0.22	0.00	0.22
21.00	0.27	0.00	0.27	23.60	0.22	0.00	0.22
21.05	0.27	0.00	0.27	23.65	0.22	0.00	0.22
21.10	0.27	0.00	0.27	23.70	0.22	0.00	0.22
21.15	0.26	0.00	0.26	23.75	0.22	0.00	0.22
21.20	0.26	0.00	0.26	23.80	0.22	0.00	0.22
21.25	0.26	0.00	0.26	23.85	0.21	0.00	0.21
21.30	0.26	0.00	0.26	23.90	0.21	0.00	0.21
21.35	0.26	0.00	0.26	23.95	0.21	0.00	0.21
21.40	0.26	0.00	0.26	24.00	0.23	0.00	0.23
21.45	0.26	0.00	0.26	24.05	0.23	0.00	0.23
21.50	0.26	0.00	0.26	24.10	0.17	0.00	0.17
21.55	0.26	0.00	0.26	24.15	0.09	0.00	0.09
21.60	0.26	0.00	0.26	24.20	0.04	0.00	0.04
21.65	0.26	0.00	0.26	24.25	0.02	0.00	0.02
21.70	0.25	0.00	0.25	24.30	0.01	0.00	0.01
21.75	0.25	0.00	0.25	24.35	0.00	0.00	0.00
21.80	0.25	0.00	0.25	24.40	0.00	0.00	0.00
21.85	0.25	0.00	0.25	24.45	0.00	0.00	0.00
21.90	0.25	0.00	0.25	24.50	0.00	0.00	0.00
21.95	0.25	0.00	0.25	24.55	0.00	0.00	0.00
22.00	0.25	0.00	0.25	24.60	0.00	0.00	0.00
22.05	0.25	0.00	0.25	24.65	0.00	0.00	0.00
22.10	0.25	0.00	0.25	24.70	0.00	0.00	0.00
22.15	0.25	0.00	0.25	24.75	0.00	0.00	0.00
22.20	0.25	0.00	0.25	24.80	0.00	0.00	0.00
22.25	0.25	0.00	0.25	24.85	0.00	0.00	0.00
22.30	0.24	0.00	0.24	24.90	0.00	0.00	0.00
22.35	0.24	0.00	0.24	24.95	0.00	0.00	0.00
22.40	0.24	0.00	0.24	25.00	0.00	0.00	0.00
22.45	0.24	0.00	0.24	25.05	0.00	0.00	0.00
22.50	0.24	0.00	0.24	25.10	0.00	0.00	0.00
22.55	0.24	0.00	0.24	25.15	0.00	0.00	0.00
22.60	0.24	0.00	0.24	25.20	0.00	0.00	0.00
22.65	0.24	0.00	0.24	25.25	0.00	0.00	0.00
22.70	0.24	0.00	0.24	25.30	0.00	0.00	0.00
22.75	0.24	0.00	0.24	25.35	0.00	0.00	0.00
22.80	0.23	0.00	0.23	25.40	0.00	0.00	0.00
22.85	0.23	0.00	0.23	25.45	0.00	0.00	0.00
22.90	0.23	0.00	0.23	25.50	0.00	0.00	0.00
22.95	0.23	0.00	0.23	25.55	0.00	0.00	0.00
23.00	0.23	0.00	0.23	25.60	0.00	0.00	0.00
23.05	0.23	0.00	0.23	25.65	0.00	0.00	0.00
23.10	0.23	0.00	0.23	25.70	0.00	0.00	0.00
23.15	0.23	0.00	0.23	25.75	0.00	0.00	0.00
23.20	0.23	0.00	0.23	25.80	0.00	0.00	0.00
23.25	0.23	0.00	0.23	25.85	0.00	0.00	0.00
23.30	0.22	0.00	0.22	25.90	0.00	0.00	0.00
23.35	0.22	0.00	0.22	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

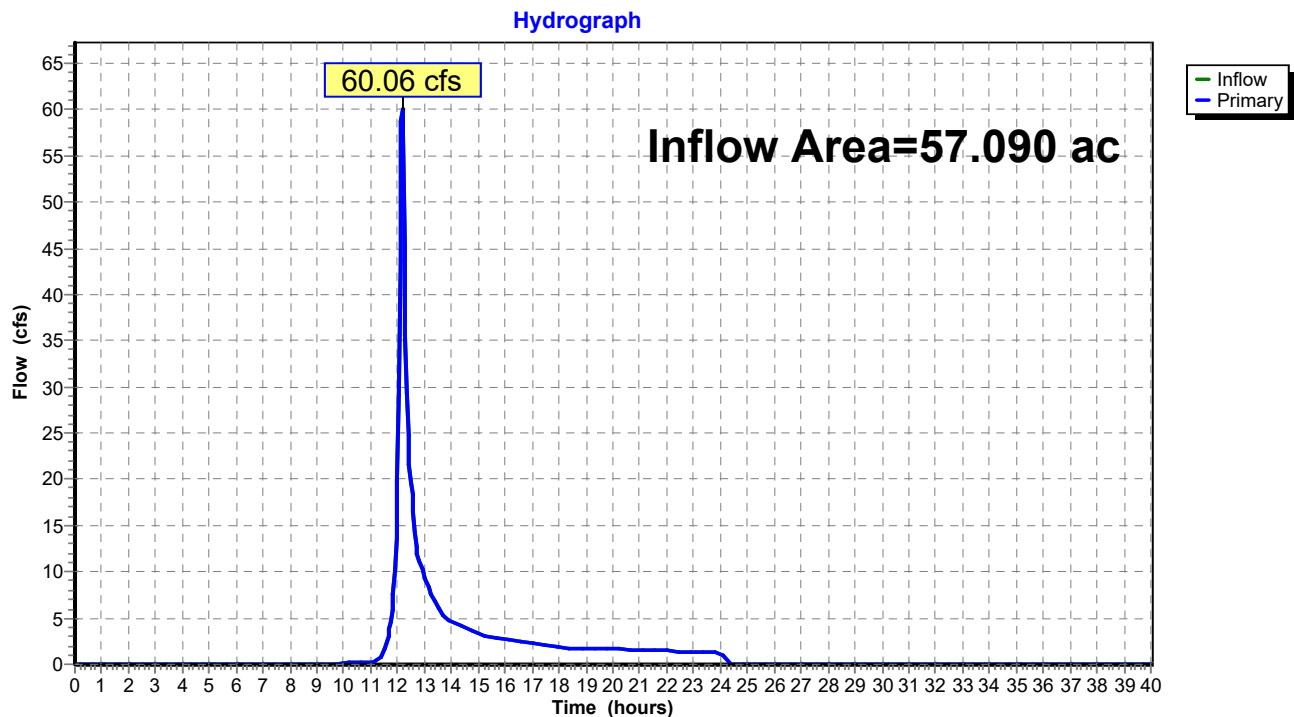
Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 0.97" for Current 2 yr event
Inflow = 60.06 cfs @ 12.17 hrs, Volume= 4.618 af
Primary = 60.06 cfs @ 12.17 hrs, Volume= 4.618 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.01	0.00	0.01	4.35	0.02	0.00	0.02
1.80	0.01	0.00	0.01	4.40	0.02	0.00	0.02
1.85	0.01	0.00	0.01	4.45	0.02	0.00	0.02
1.90	0.01	0.00	0.01	4.50	0.02	0.00	0.02
1.95	0.01	0.00	0.01	4.55	0.02	0.00	0.02
2.00	0.01	0.00	0.01	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.03	0.00	0.03	8.30	0.06	0.00	0.06
5.75	0.03	0.00	0.03	8.35	0.06	0.00	0.06
5.80	0.03	0.00	0.03	8.40	0.06	0.00	0.06
5.85	0.03	0.00	0.03	8.45	0.06	0.00	0.06
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.04	0.00	0.04	9.00	0.06	0.00	0.06
6.45	0.04	0.00	0.04	9.05	0.06	0.00	0.06
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.07	0.00	0.07
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.04	0.00	0.04	9.50	0.08	0.00	0.08
6.95	0.04	0.00	0.04	9.55	0.08	0.00	0.08
7.00	0.04	0.00	0.04	9.60	0.08	0.00	0.08
7.05	0.04	0.00	0.04	9.65	0.09	0.00	0.09
7.10	0.04	0.00	0.04	9.70	0.09	0.00	0.09
7.15	0.04	0.00	0.04	9.75	0.09	0.00	0.09
7.20	0.04	0.00	0.04	9.80	0.09	0.00	0.09
7.25	0.04	0.00	0.04	9.85	0.09	0.00	0.09
7.30	0.04	0.00	0.04	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.10	0.00	0.10
7.50	0.05	0.00	0.05	10.10	0.10	0.00	0.10
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.11	0.00	0.11
7.70	0.05	0.00	0.05	10.30	0.11	0.00	0.11
7.75	0.05	0.00	0.05	10.35	0.11	0.00	0.11

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.11	0.00	0.11	13.00	9.47	0.00	9.47
10.45	0.12	0.00	0.12	13.05	9.02	0.00	9.02
10.50	0.12	0.00	0.12	13.10	8.54	0.00	8.54
10.55	0.12	0.00	0.12	13.15	8.09	0.00	8.09
10.60	0.13	0.00	0.13	13.20	7.73	0.00	7.73
10.65	0.13	0.00	0.13	13.25	7.43	0.00	7.43
10.70	0.14	0.00	0.14	13.30	7.16	0.00	7.16
10.75	0.15	0.00	0.15	13.35	6.90	0.00	6.90
10.80	0.15	0.00	0.15	13.40	6.63	0.00	6.63
10.85	0.16	0.00	0.16	13.45	6.37	0.00	6.37
10.90	0.17	0.00	0.17	13.50	6.10	0.00	6.10
10.95	0.17	0.00	0.17	13.55	5.84	0.00	5.84
11.00	0.18	0.00	0.18	13.60	5.57	0.00	5.57
11.05	0.19	0.00	0.19	13.65	5.32	0.00	5.32
11.10	0.20	0.00	0.20	13.70	5.15	0.00	5.15
11.15	0.23	0.00	0.23	13.75	5.04	0.00	5.04
11.20	0.28	0.00	0.28	13.80	4.96	0.00	4.96
11.25	0.35	0.00	0.35	13.85	4.88	0.00	4.88
11.30	0.47	0.00	0.47	13.90	4.82	0.00	4.82
11.35	0.64	0.00	0.64	13.95	4.75	0.00	4.75
11.40	0.84	0.00	0.84	14.00	4.69	0.00	4.69
11.45	1.08	0.00	1.08	14.05	4.62	0.00	4.62
11.50	1.33	0.00	1.33	14.10	4.55	0.00	4.55
11.55	1.65	0.00	1.65	14.15	4.48	0.00	4.48
11.60	2.25	0.00	2.25	14.20	4.41	0.00	4.41
11.65	3.03	0.00	3.03	14.25	4.35	0.00	4.35
11.70	3.80	0.00	3.80	14.30	4.28	0.00	4.28
11.75	4.61	0.00	4.61	14.35	4.21	0.00	4.21
11.80	5.88	0.00	5.88	14.40	4.14	0.00	4.14
11.85	7.61	0.00	7.61	14.45	4.07	0.00	4.07
11.90	10.09	0.00	10.09	14.50	4.00	0.00	4.00
11.95	13.61	0.00	13.61	14.55	3.93	0.00	3.93
12.00	19.85	0.00	19.85	14.60	3.86	0.00	3.86
12.05	29.12	0.00	29.12	14.65	3.78	0.00	3.78
12.10	43.83	0.00	43.83	14.70	3.71	0.00	3.71
12.15	58.68	0.00	58.68	14.75	3.63	0.00	3.63
12.20	57.24	0.00	57.24	14.80	3.56	0.00	3.56
12.25	45.18	0.00	45.18	14.85	3.49	0.00	3.49
12.30	35.54	0.00	35.54	14.90	3.42	0.00	3.42
12.35	29.37	0.00	29.37	14.95	3.34	0.00	3.34
12.40	24.85	0.00	24.85	15.00	3.26	0.00	3.26
12.45	21.51	0.00	21.51	15.05	3.19	0.00	3.19
12.50	19.64	0.00	19.64	15.10	3.12	0.00	3.12
12.55	18.44	0.00	18.44	15.15	3.05	0.00	3.05
12.60	16.42	0.00	16.42	15.20	3.00	0.00	3.00
12.65	14.13	0.00	14.13	15.25	2.97	0.00	2.97
12.70	12.70	0.00	12.70	15.30	2.94	0.00	2.94
12.75	11.91	0.00	11.91	15.35	2.92	0.00	2.92
12.80	11.33	0.00	11.33	15.40	2.91	0.00	2.91
12.85	10.85	0.00	10.85	15.45	2.89	0.00	2.89
12.90	10.38	0.00	10.38	15.50	2.87	0.00	2.87
12.95	9.94	0.00	9.94	15.55	2.85	0.00	2.85

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.84	0.00	2.84	18.20	1.81	0.00	1.81
15.65	2.82	0.00	2.82	18.25	1.80	0.00	1.80
15.70	2.80	0.00	2.80	18.30	1.80	0.00	1.80
15.75	2.78	0.00	2.78	18.35	1.79	0.00	1.79
15.80	2.76	0.00	2.76	18.40	1.79	0.00	1.79
15.85	2.74	0.00	2.74	18.45	1.78	0.00	1.78
15.90	2.72	0.00	2.72	18.50	1.78	0.00	1.78
15.95	2.71	0.00	2.71	18.55	1.77	0.00	1.77
16.00	2.69	0.00	2.69	18.60	1.77	0.00	1.77
16.05	2.67	0.00	2.67	18.65	1.76	0.00	1.76
16.10	2.65	0.00	2.65	18.70	1.76	0.00	1.76
16.15	2.63	0.00	2.63	18.75	1.76	0.00	1.76
16.20	2.62	0.00	2.62	18.80	1.75	0.00	1.75
16.25	2.60	0.00	2.60	18.85	1.75	0.00	1.75
16.30	2.57	0.00	2.57	18.90	1.74	0.00	1.74
16.35	2.55	0.00	2.55	18.95	1.74	0.00	1.74
16.40	2.53	0.00	2.53	19.00	1.73	0.00	1.73
16.45	2.52	0.00	2.52	19.05	1.73	0.00	1.73
16.50	2.50	0.00	2.50	19.10	1.72	0.00	1.72
16.55	2.47	0.00	2.47	19.15	1.72	0.00	1.72
16.60	2.46	0.00	2.46	19.20	1.71	0.00	1.71
16.65	2.44	0.00	2.44	19.25	1.71	0.00	1.71
16.70	2.42	0.00	2.42	19.30	1.70	0.00	1.70
16.75	2.40	0.00	2.40	19.35	1.70	0.00	1.70
16.80	2.38	0.00	2.38	19.40	1.69	0.00	1.69
16.85	2.36	0.00	2.36	19.45	1.69	0.00	1.69
16.90	2.34	0.00	2.34	19.50	1.68	0.00	1.68
16.95	2.32	0.00	2.32	19.55	1.68	0.00	1.68
17.00	2.30	0.00	2.30	19.60	1.67	0.00	1.67
17.05	2.28	0.00	2.28	19.65	1.67	0.00	1.67
17.10	2.26	0.00	2.26	19.70	1.67	0.00	1.67
17.15	2.24	0.00	2.24	19.75	1.66	0.00	1.66
17.20	2.22	0.00	2.22	19.80	1.66	0.00	1.66
17.25	2.20	0.00	2.20	19.85	1.66	0.00	1.66
17.30	2.18	0.00	2.18	19.90	1.65	0.00	1.65
17.35	2.15	0.00	2.15	19.95	1.64	0.00	1.64
17.40	2.13	0.00	2.13	20.00	1.64	0.00	1.64
17.45	2.11	0.00	2.11	20.05	1.63	0.00	1.63
17.50	2.10	0.00	2.10	20.10	1.63	0.00	1.63
17.55	2.08	0.00	2.08	20.15	1.62	0.00	1.62
17.60	2.05	0.00	2.05	20.20	1.62	0.00	1.62
17.65	2.03	0.00	2.03	20.25	1.61	0.00	1.61
17.70	2.01	0.00	2.01	20.30	1.61	0.00	1.61
17.75	1.99	0.00	1.99	20.35	1.60	0.00	1.60
17.80	1.97	0.00	1.97	20.40	1.60	0.00	1.60
17.85	1.95	0.00	1.95	20.45	1.59	0.00	1.59
17.90	1.93	0.00	1.93	20.50	1.59	0.00	1.59
17.95	1.91	0.00	1.91	20.55	1.58	0.00	1.58
18.00	1.89	0.00	1.89	20.60	1.58	0.00	1.58
18.05	1.87	0.00	1.87	20.65	1.58	0.00	1.58
18.10	1.84	0.00	1.84	20.70	1.57	0.00	1.57
18.15	1.83	0.00	1.83	20.75	1.56	0.00	1.56

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.56	0.00	1.56	23.40	1.29	0.00	1.29
20.85	1.55	0.00	1.55	23.45	1.28	0.00	1.28
20.90	1.55	0.00	1.55	23.50	1.28	0.00	1.28
20.95	1.54	0.00	1.54	23.55	1.27	0.00	1.27
21.00	1.54	0.00	1.54	23.60	1.26	0.00	1.26
21.05	1.53	0.00	1.53	23.65	1.26	0.00	1.26
21.10	1.53	0.00	1.53	23.70	1.25	0.00	1.25
21.15	1.52	0.00	1.52	23.75	1.25	0.00	1.25
21.20	1.52	0.00	1.52	23.80	1.25	0.00	1.25
21.25	1.51	0.00	1.51	23.85	1.24	0.00	1.24
21.30	1.51	0.00	1.51	23.90	1.23	0.00	1.23
21.35	1.51	0.00	1.51	23.95	1.24	0.00	1.24
21.40	1.50	0.00	1.50	24.00	1.31	0.00	1.31
21.45	1.49	0.00	1.49	24.05	1.33	0.00	1.33
21.50	1.49	0.00	1.49	24.10	1.00	0.00	1.00
21.55	1.48	0.00	1.48	24.15	0.51	0.00	0.51
21.60	1.47	0.00	1.47	24.20	0.22	0.00	0.22
21.65	1.47	0.00	1.47	24.25	0.10	0.00	0.10
21.70	1.46	0.00	1.46	24.30	0.04	0.00	0.04
21.75	1.46	0.00	1.46	24.35	0.02	0.00	0.02
21.80	1.46	0.00	1.46	24.40	0.01	0.00	0.01
21.85	1.46	0.00	1.46	24.45	0.00	0.00	0.00
21.90	1.45	0.00	1.45	24.50	0.00	0.00	0.00
21.95	1.44	0.00	1.44	24.55	0.00	0.00	0.00
22.00	1.43	0.00	1.43	24.60	0.00	0.00	0.00
22.05	1.43	0.00	1.43	24.65	0.00	0.00	0.00
22.10	1.42	0.00	1.42	24.70	0.00	0.00	0.00
22.15	1.42	0.00	1.42	24.75	0.00	0.00	0.00
22.20	1.42	0.00	1.42	24.80	0.00	0.00	0.00
22.25	1.41	0.00	1.41	24.85	0.00	0.00	0.00
22.30	1.41	0.00	1.41	24.90	0.00	0.00	0.00
22.35	1.40	0.00	1.40	24.95	0.00	0.00	0.00
22.40	1.39	0.00	1.39	25.00	0.00	0.00	0.00
22.45	1.39	0.00	1.39	25.05	0.00	0.00	0.00
22.50	1.38	0.00	1.38	25.10	0.00	0.00	0.00
22.55	1.38	0.00	1.38	25.15	0.00	0.00	0.00
22.60	1.37	0.00	1.37	25.20	0.00	0.00	0.00
22.65	1.37	0.00	1.37	25.25	0.00	0.00	0.00
22.70	1.36	0.00	1.36	25.30	0.00	0.00	0.00
22.75	1.36	0.00	1.36	25.35	0.00	0.00	0.00
22.80	1.35	0.00	1.35	25.40	0.00	0.00	0.00
22.85	1.34	0.00	1.34	25.45	0.00	0.00	0.00
22.90	1.34	0.00	1.34	25.50	0.00	0.00	0.00
22.95	1.33	0.00	1.33	25.55	0.00	0.00	0.00
23.00	1.33	0.00	1.33	25.60	0.00	0.00	0.00
23.05	1.33	0.00	1.33	25.65	0.00	0.00	0.00
23.10	1.32	0.00	1.32	25.70	0.00	0.00	0.00
23.15	1.31	0.00	1.31	25.75	0.00	0.00	0.00
23.20	1.31	0.00	1.31	25.80	0.00	0.00	0.00
23.25	1.30	0.00	1.30	25.85	0.00	0.00	0.00
23.30	1.29	0.00	1.29	25.90	0.00	0.00	0.00
23.35	1.29	0.00	1.29	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

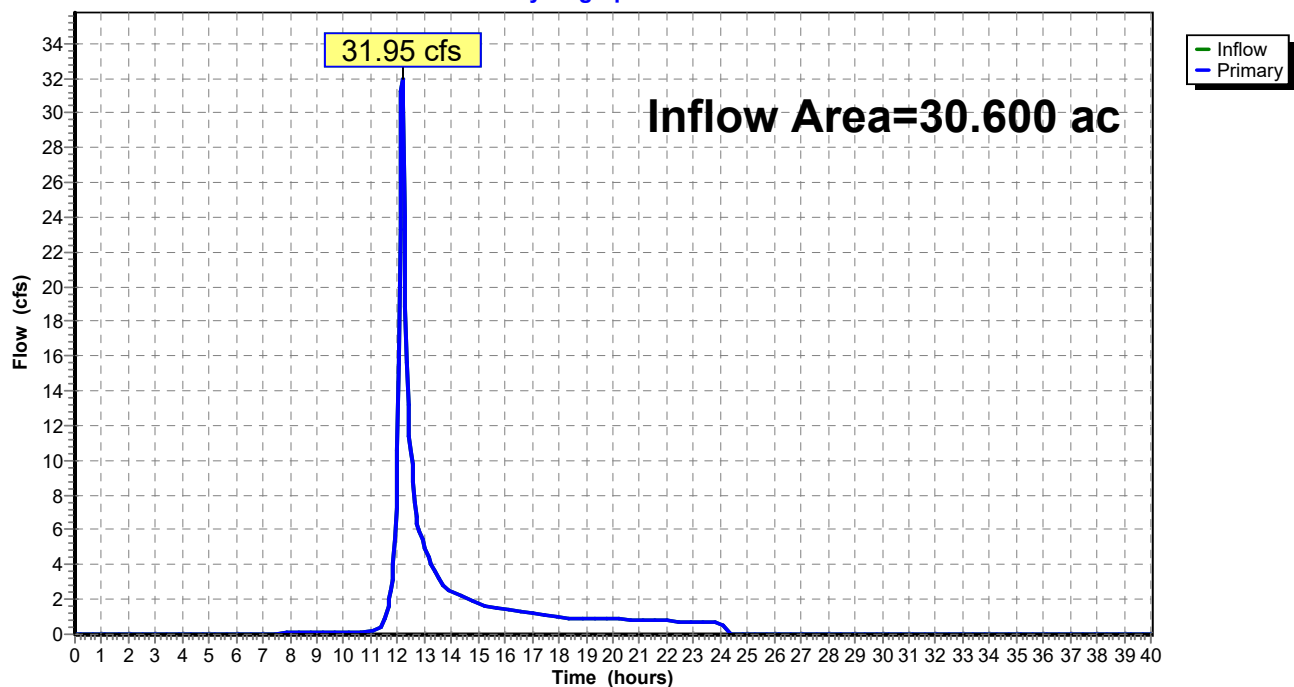
Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.97" for Current 2 yr event
Inflow = 31.95 cfs @ 12.17 hrs, Volume= 2.477 af
Primary = 31.95 cfs @ 12.17 hrs, Volume= 2.477 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60**Hydrograph**

Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.01	0.00	0.01	4.35	0.02	0.00	0.02
1.80	0.01	0.00	0.01	4.40	0.02	0.00	0.02
1.85	0.01	0.00	0.01	4.45	0.02	0.00	0.02
1.90	0.01	0.00	0.01	4.50	0.02	0.00	0.02
1.95	0.01	0.00	0.01	4.55	0.02	0.00	0.02
2.00	0.01	0.00	0.01	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.03	0.00	0.03	8.30	0.06	0.00	0.06
5.75	0.03	0.00	0.03	8.35	0.06	0.00	0.06
5.80	0.03	0.00	0.03	8.40	0.06	0.00	0.06
5.85	0.03	0.00	0.03	8.45	0.06	0.00	0.06
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.04	0.00	0.04	9.00	0.06	0.00	0.06
6.45	0.04	0.00	0.04	9.05	0.06	0.00	0.06
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.07	0.00	0.07
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.04	0.00	0.04	9.50	0.08	0.00	0.08
6.95	0.04	0.00	0.04	9.55	0.08	0.00	0.08
7.00	0.04	0.00	0.04	9.60	0.08	0.00	0.08
7.05	0.04	0.00	0.04	9.65	0.09	0.00	0.09
7.10	0.04	0.00	0.04	9.70	0.09	0.00	0.09
7.15	0.04	0.00	0.04	9.75	0.09	0.00	0.09
7.20	0.04	0.00	0.04	9.80	0.09	0.00	0.09
7.25	0.04	0.00	0.04	9.85	0.09	0.00	0.09
7.30	0.04	0.00	0.04	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.10	0.00	0.10
7.50	0.05	0.00	0.05	10.10	0.10	0.00	0.10
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.11	0.00	0.11
7.70	0.05	0.00	0.05	10.30	0.11	0.00	0.11
7.75	0.05	0.00	0.05	10.35	0.11	0.00	0.11

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.11	0.00	0.11	13.00	5.04	0.00	5.04
10.45	0.12	0.00	0.12	13.05	4.80	0.00	4.80
10.50	0.12	0.00	0.12	13.10	4.54	0.00	4.54
10.55	0.12	0.00	0.12	13.15	4.30	0.00	4.30
10.60	0.13	0.00	0.13	13.20	4.11	0.00	4.11
10.65	0.13	0.00	0.13	13.25	3.95	0.00	3.95
10.70	0.14	0.00	0.14	13.30	3.81	0.00	3.81
10.75	0.15	0.00	0.15	13.35	3.67	0.00	3.67
10.80	0.15	0.00	0.15	13.40	3.53	0.00	3.53
10.85	0.16	0.00	0.16	13.45	3.39	0.00	3.39
10.90	0.17	0.00	0.17	13.50	3.24	0.00	3.24
10.95	0.17	0.00	0.17	13.55	3.10	0.00	3.10
11.00	0.18	0.00	0.18	13.60	2.96	0.00	2.96
11.05	0.19	0.00	0.19	13.65	2.83	0.00	2.83
11.10	0.20	0.00	0.20	13.70	2.74	0.00	2.74
11.15	0.21	0.00	0.21	13.75	2.68	0.00	2.68
11.20	0.23	0.00	0.23	13.80	2.64	0.00	2.64
11.25	0.25	0.00	0.25	13.85	2.60	0.00	2.60
11.30	0.29	0.00	0.29	13.90	2.56	0.00	2.56
11.35	0.37	0.00	0.37	13.95	2.53	0.00	2.53
11.40	0.48	0.00	0.48	14.00	2.49	0.00	2.49
11.45	0.60	0.00	0.60	14.05	2.46	0.00	2.46
11.50	0.73	0.00	0.73	14.10	2.42	0.00	2.42
11.55	0.90	0.00	0.90	14.15	2.38	0.00	2.38
11.60	1.22	0.00	1.22	14.20	2.35	0.00	2.35
11.65	1.64	0.00	1.64	14.25	2.31	0.00	2.31
11.70	2.05	0.00	2.05	14.30	2.28	0.00	2.28
11.75	2.48	0.00	2.48	14.35	2.24	0.00	2.24
11.80	3.15	0.00	3.15	14.40	2.20	0.00	2.20
11.85	4.08	0.00	4.08	14.45	2.16	0.00	2.16
11.90	5.40	0.00	5.40	14.50	2.13	0.00	2.13
11.95	7.27	0.00	7.27	14.55	2.09	0.00	2.09
12.00	10.59	0.00	10.59	14.60	2.05	0.00	2.05
12.05	15.51	0.00	15.51	14.65	2.01	0.00	2.01
12.10	23.33	0.00	23.33	14.70	1.97	0.00	1.97
12.15	31.22	0.00	31.22	14.75	1.93	0.00	1.93
12.20	30.44	0.00	30.44	14.80	1.90	0.00	1.90
12.25	24.03	0.00	24.03	14.85	1.86	0.00	1.86
12.30	18.90	0.00	18.90	14.90	1.82	0.00	1.82
12.35	15.62	0.00	15.62	14.95	1.78	0.00	1.78
12.40	13.21	0.00	13.21	15.00	1.74	0.00	1.74
12.45	11.44	0.00	11.44	15.05	1.70	0.00	1.70
12.50	10.45	0.00	10.45	15.10	1.66	0.00	1.66
12.55	9.81	0.00	9.81	15.15	1.62	0.00	1.62
12.60	8.73	0.00	8.73	15.20	1.60	0.00	1.60
12.65	7.51	0.00	7.51	15.25	1.58	0.00	1.58
12.70	6.75	0.00	6.75	15.30	1.57	0.00	1.57
12.75	6.34	0.00	6.34	15.35	1.56	0.00	1.56
12.80	6.03	0.00	6.03	15.40	1.55	0.00	1.55
12.85	5.77	0.00	5.77	15.45	1.54	0.00	1.54
12.90	5.52	0.00	5.52	15.50	1.53	0.00	1.53
12.95	5.28	0.00	5.28	15.55	1.52	0.00	1.52

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.51	0.00	1.51	18.20	0.96	0.00	0.96
15.65	1.50	0.00	1.50	18.25	0.96	0.00	0.96
15.70	1.49	0.00	1.49	18.30	0.96	0.00	0.96
15.75	1.48	0.00	1.48	18.35	0.95	0.00	0.95
15.80	1.47	0.00	1.47	18.40	0.95	0.00	0.95
15.85	1.46	0.00	1.46	18.45	0.95	0.00	0.95
15.90	1.45	0.00	1.45	18.50	0.95	0.00	0.95
15.95	1.44	0.00	1.44	18.55	0.94	0.00	0.94
16.00	1.43	0.00	1.43	18.60	0.94	0.00	0.94
16.05	1.42	0.00	1.42	18.65	0.94	0.00	0.94
16.10	1.41	0.00	1.41	18.70	0.94	0.00	0.94
16.15	1.40	0.00	1.40	18.75	0.93	0.00	0.93
16.20	1.39	0.00	1.39	18.80	0.93	0.00	0.93
16.25	1.38	0.00	1.38	18.85	0.93	0.00	0.93
16.30	1.37	0.00	1.37	18.90	0.93	0.00	0.93
16.35	1.36	0.00	1.36	18.95	0.92	0.00	0.92
16.40	1.35	0.00	1.35	19.00	0.92	0.00	0.92
16.45	1.34	0.00	1.34	19.05	0.92	0.00	0.92
16.50	1.33	0.00	1.33	19.10	0.92	0.00	0.92
16.55	1.32	0.00	1.32	19.15	0.91	0.00	0.91
16.60	1.31	0.00	1.31	19.20	0.91	0.00	0.91
16.65	1.30	0.00	1.30	19.25	0.91	0.00	0.91
16.70	1.29	0.00	1.29	19.30	0.91	0.00	0.91
16.75	1.28	0.00	1.28	19.35	0.90	0.00	0.90
16.80	1.27	0.00	1.27	19.40	0.90	0.00	0.90
16.85	1.25	0.00	1.25	19.45	0.90	0.00	0.90
16.90	1.24	0.00	1.24	19.50	0.90	0.00	0.90
16.95	1.23	0.00	1.23	19.55	0.89	0.00	0.89
17.00	1.22	0.00	1.22	19.60	0.89	0.00	0.89
17.05	1.21	0.00	1.21	19.65	0.89	0.00	0.89
17.10	1.20	0.00	1.20	19.70	0.89	0.00	0.89
17.15	1.19	0.00	1.19	19.75	0.88	0.00	0.88
17.20	1.18	0.00	1.18	19.80	0.88	0.00	0.88
17.25	1.17	0.00	1.17	19.85	0.88	0.00	0.88
17.30	1.16	0.00	1.16	19.90	0.88	0.00	0.88
17.35	1.15	0.00	1.15	19.95	0.88	0.00	0.88
17.40	1.13	0.00	1.13	20.00	0.87	0.00	0.87
17.45	1.13	0.00	1.13	20.05	0.87	0.00	0.87
17.50	1.12	0.00	1.12	20.10	0.87	0.00	0.87
17.55	1.10	0.00	1.10	20.15	0.86	0.00	0.86
17.60	1.09	0.00	1.09	20.20	0.86	0.00	0.86
17.65	1.08	0.00	1.08	20.25	0.86	0.00	0.86
17.70	1.07	0.00	1.07	20.30	0.86	0.00	0.86
17.75	1.06	0.00	1.06	20.35	0.85	0.00	0.85
17.80	1.05	0.00	1.05	20.40	0.85	0.00	0.85
17.85	1.04	0.00	1.04	20.45	0.85	0.00	0.85
17.90	1.03	0.00	1.03	20.50	0.84	0.00	0.84
17.95	1.02	0.00	1.02	20.55	0.84	0.00	0.84
18.00	1.00	0.00	1.00	20.60	0.84	0.00	0.84
18.05	0.99	0.00	0.99	20.65	0.84	0.00	0.84
18.10	0.98	0.00	0.98	20.70	0.84	0.00	0.84
18.15	0.97	0.00	0.97	20.75	0.83	0.00	0.83

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.83	0.00	0.83	23.40	0.69	0.00	0.69
20.85	0.83	0.00	0.83	23.45	0.68	0.00	0.68
20.90	0.82	0.00	0.82	23.50	0.68	0.00	0.68
20.95	0.82	0.00	0.82	23.55	0.68	0.00	0.68
21.00	0.82	0.00	0.82	23.60	0.67	0.00	0.67
21.05	0.82	0.00	0.82	23.65	0.67	0.00	0.67
21.10	0.81	0.00	0.81	23.70	0.67	0.00	0.67
21.15	0.81	0.00	0.81	23.75	0.67	0.00	0.67
21.20	0.81	0.00	0.81	23.80	0.66	0.00	0.66
21.25	0.80	0.00	0.80	23.85	0.66	0.00	0.66
21.30	0.80	0.00	0.80	23.90	0.65	0.00	0.65
21.35	0.80	0.00	0.80	23.95	0.66	0.00	0.66
21.40	0.80	0.00	0.80	24.00	0.70	0.00	0.70
21.45	0.80	0.00	0.80	24.05	0.71	0.00	0.71
21.50	0.79	0.00	0.79	24.10	0.53	0.00	0.53
21.55	0.79	0.00	0.79	24.15	0.27	0.00	0.27
21.60	0.79	0.00	0.79	24.20	0.12	0.00	0.12
21.65	0.78	0.00	0.78	24.25	0.05	0.00	0.05
21.70	0.78	0.00	0.78	24.30	0.02	0.00	0.02
21.75	0.78	0.00	0.78	24.35	0.01	0.00	0.01
21.80	0.78	0.00	0.78	24.40	0.00	0.00	0.00
21.85	0.77	0.00	0.77	24.45	0.00	0.00	0.00
21.90	0.77	0.00	0.77	24.50	0.00	0.00	0.00
21.95	0.77	0.00	0.77	24.55	0.00	0.00	0.00
22.00	0.76	0.00	0.76	24.60	0.00	0.00	0.00
22.05	0.76	0.00	0.76	24.65	0.00	0.00	0.00
22.10	0.76	0.00	0.76	24.70	0.00	0.00	0.00
22.15	0.75	0.00	0.75	24.75	0.00	0.00	0.00
22.20	0.75	0.00	0.75	24.80	0.00	0.00	0.00
22.25	0.75	0.00	0.75	24.85	0.00	0.00	0.00
22.30	0.75	0.00	0.75	24.90	0.00	0.00	0.00
22.35	0.74	0.00	0.74	24.95	0.00	0.00	0.00
22.40	0.74	0.00	0.74	25.00	0.00	0.00	0.00
22.45	0.74	0.00	0.74	25.05	0.00	0.00	0.00
22.50	0.73	0.00	0.73	25.10	0.00	0.00	0.00
22.55	0.73	0.00	0.73	25.15	0.00	0.00	0.00
22.60	0.73	0.00	0.73	25.20	0.00	0.00	0.00
22.65	0.73	0.00	0.73	25.25	0.00	0.00	0.00
22.70	0.73	0.00	0.73	25.30	0.00	0.00	0.00
22.75	0.72	0.00	0.72	25.35	0.00	0.00	0.00
22.80	0.72	0.00	0.72	25.40	0.00	0.00	0.00
22.85	0.72	0.00	0.72	25.45	0.00	0.00	0.00
22.90	0.71	0.00	0.71	25.50	0.00	0.00	0.00
22.95	0.71	0.00	0.71	25.55	0.00	0.00	0.00
23.00	0.71	0.00	0.71	25.60	0.00	0.00	0.00
23.05	0.71	0.00	0.71	25.65	0.00	0.00	0.00
23.10	0.70	0.00	0.70	25.70	0.00	0.00	0.00
23.15	0.70	0.00	0.70	25.75	0.00	0.00	0.00
23.20	0.70	0.00	0.70	25.80	0.00	0.00	0.00
23.25	0.69	0.00	0.69	25.85	0.00	0.00	0.00
23.30	0.69	0.00	0.69	25.90	0.00	0.00	0.00
23.35	0.69	0.00	0.69	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 22.04 cfs @ 12.16 hrs, Volume= 1.699 af, Depth= 4.16"
Routed to Link XDA-1O : XDA-1O

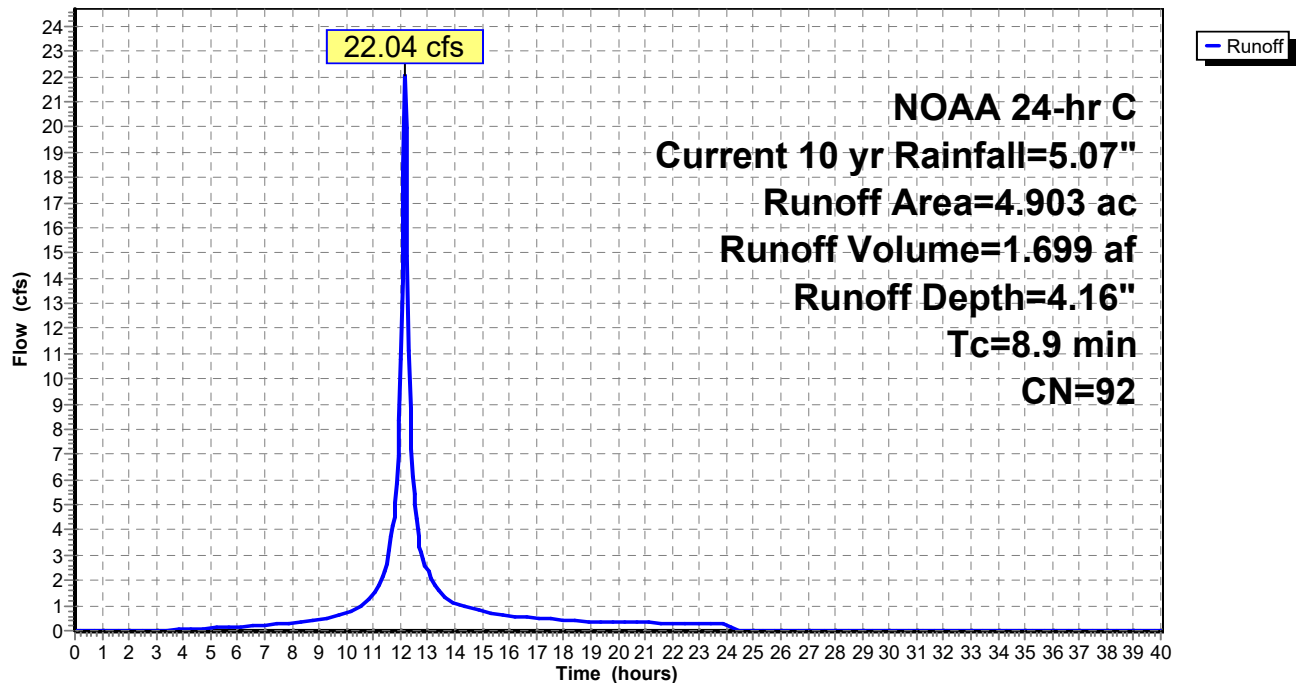
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.01
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.01
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.01
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.01
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.02
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.03
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.03
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.03
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.04
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.04
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.04
1.35	0.08	0.00	0.00	3.95	0.24	0.01	0.04
1.40	0.08	0.00	0.00	4.00	0.25	0.01	0.05
1.45	0.08	0.00	0.00	4.05	0.25	0.01	0.05
1.50	0.08	0.00	0.00	4.10	0.26	0.01	0.05
1.55	0.09	0.00	0.00	4.15	0.26	0.01	0.05
1.60	0.09	0.00	0.00	4.20	0.26	0.01	0.06
1.65	0.09	0.00	0.00	4.25	0.27	0.01	0.06
1.70	0.10	0.00	0.00	4.30	0.27	0.01	0.06
1.75	0.10	0.00	0.00	4.35	0.27	0.01	0.06
1.80	0.10	0.00	0.00	4.40	0.28	0.01	0.07
1.85	0.11	0.00	0.00	4.45	0.28	0.01	0.07
1.90	0.11	0.00	0.00	4.50	0.28	0.01	0.07
1.95	0.11	0.00	0.00	4.55	0.29	0.01	0.07
2.00	0.11	0.00	0.00	4.60	0.29	0.01	0.08
2.05	0.12	0.00	0.00	4.65	0.30	0.02	0.08
2.10	0.12	0.00	0.00	4.70	0.30	0.02	0.08
2.15	0.12	0.00	0.00	4.75	0.30	0.02	0.08
2.20	0.13	0.00	0.00	4.80	0.31	0.02	0.09
2.25	0.13	0.00	0.00	4.85	0.31	0.02	0.09
2.30	0.13	0.00	0.00	4.90	0.31	0.02	0.09
2.35	0.14	0.00	0.00	4.95	0.32	0.02	0.09
2.40	0.14	0.00	0.00	5.00	0.32	0.02	0.10
2.45	0.14	0.00	0.00	5.05	0.33	0.02	0.10
2.50	0.15	0.00	0.00	5.10	0.33	0.02	0.10
2.55	0.15	0.00	0.00	5.15	0.33	0.02	0.10

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.03	0.11	7.80	0.58	0.13	0.30
5.25	0.34	0.03	0.11	7.85	0.59	0.13	0.31
5.30	0.35	0.03	0.11	7.90	0.60	0.14	0.31
5.35	0.35	0.03	0.11	7.95	0.60	0.14	0.32
5.40	0.35	0.03	0.12	8.00	0.61	0.14	0.32
5.45	0.36	0.03	0.12	8.05	0.61	0.15	0.33
5.50	0.36	0.03	0.12	8.10	0.62	0.15	0.33
5.55	0.37	0.03	0.12	8.15	0.63	0.15	0.34
5.60	0.37	0.04	0.13	8.20	0.63	0.16	0.34
5.65	0.37	0.04	0.13	8.25	0.64	0.16	0.35
5.70	0.38	0.04	0.13	8.30	0.65	0.17	0.35
5.75	0.38	0.04	0.13	8.35	0.65	0.17	0.36
5.80	0.39	0.04	0.13	8.40	0.66	0.17	0.37
5.85	0.39	0.04	0.14	8.45	0.66	0.18	0.37
5.90	0.39	0.04	0.14	8.50	0.67	0.18	0.38
5.95	0.40	0.05	0.14	8.55	0.68	0.19	0.38
6.00	0.40	0.05	0.14	8.60	0.68	0.19	0.39
6.05	0.41	0.05	0.15	8.65	0.69	0.19	0.39
6.10	0.41	0.05	0.15	8.70	0.70	0.20	0.40
6.15	0.41	0.05	0.15	8.75	0.71	0.20	0.40
6.20	0.42	0.05	0.16	8.80	0.71	0.21	0.41
6.25	0.42	0.06	0.16	8.85	0.72	0.21	0.42
6.30	0.43	0.06	0.16	8.90	0.73	0.21	0.42
6.35	0.43	0.06	0.17	8.95	0.73	0.22	0.43
6.40	0.44	0.06	0.17	9.00	0.74	0.22	0.43
6.45	0.44	0.06	0.18	9.05	0.75	0.23	0.44
6.50	0.45	0.06	0.18	9.10	0.76	0.23	0.45
6.55	0.45	0.07	0.19	9.15	0.76	0.24	0.46
6.60	0.46	0.07	0.19	9.20	0.77	0.24	0.48
6.65	0.46	0.07	0.19	9.25	0.78	0.25	0.49
6.70	0.46	0.07	0.20	9.30	0.79	0.25	0.51
6.75	0.47	0.07	0.20	9.35	0.80	0.26	0.52
6.80	0.47	0.08	0.21	9.40	0.80	0.27	0.54
6.85	0.48	0.08	0.21	9.45	0.81	0.27	0.55
6.90	0.48	0.08	0.21	9.50	0.82	0.28	0.57
6.95	0.49	0.08	0.22	9.55	0.83	0.28	0.58
7.00	0.49	0.09	0.22	9.60	0.84	0.29	0.60
7.05	0.50	0.09	0.23	9.65	0.85	0.30	0.62
7.10	0.50	0.09	0.23	9.70	0.86	0.30	0.63
7.15	0.51	0.09	0.24	9.75	0.87	0.31	0.65
7.20	0.52	0.10	0.24	9.80	0.88	0.32	0.66
7.25	0.52	0.10	0.25	9.85	0.89	0.32	0.68
7.30	0.53	0.10	0.25	9.90	0.90	0.33	0.70
7.35	0.53	0.10	0.26	9.95	0.91	0.34	0.72
7.40	0.54	0.11	0.26	10.00	0.92	0.35	0.73
7.45	0.54	0.11	0.27	10.05	0.94	0.36	0.75
7.50	0.55	0.11	0.27	10.10	0.95	0.36	0.77
7.55	0.55	0.12	0.28	10.15	0.96	0.37	0.79
7.60	0.56	0.12	0.28	10.20	0.97	0.38	0.80
7.65	0.57	0.12	0.29	10.25	0.98	0.39	0.82
7.70	0.57	0.12	0.29	10.30	0.99	0.40	0.84
7.75	0.58	0.13	0.30	10.35	1.01	0.41	0.86

Hydrograph for Subcatchment X-11: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.42	0.88	13.00	3.85	2.98	2.40
10.45	1.03	0.43	0.89	13.05	3.87	3.00	2.27
10.50	1.04	0.44	0.91	13.10	3.89	3.01	2.14
10.55	1.06	0.45	0.94	13.15	3.91	3.03	2.02
10.60	1.07	0.46	0.98	13.20	3.93	3.05	1.92
10.65	1.09	0.47	1.03	13.25	3.95	3.07	1.84
10.70	1.10	0.48	1.08	13.30	3.97	3.08	1.76
10.75	1.12	0.49	1.14	13.35	3.98	3.10	1.69
10.80	1.14	0.51	1.20	13.40	4.00	3.11	1.62
10.85	1.16	0.52	1.26	13.45	4.01	3.13	1.55
10.90	1.18	0.54	1.33	13.50	4.03	3.14	1.48
10.95	1.20	0.55	1.39	13.55	4.04	3.15	1.42
11.00	1.22	0.57	1.45	13.60	4.05	3.17	1.35
11.05	1.24	0.59	1.52	13.65	4.06	3.18	1.28
11.10	1.26	0.61	1.62	13.70	4.08	3.19	1.24
11.15	1.29	0.63	1.72	13.75	4.09	3.20	1.21
11.20	1.31	0.65	1.84	13.80	4.10	3.21	1.19
11.25	1.34	0.67	1.95	13.85	4.11	3.23	1.17
11.30	1.37	0.69	2.07	13.90	4.12	3.24	1.15
11.35	1.40	0.72	2.19	13.95	4.13	3.25	1.13
11.40	1.43	0.74	2.32	14.00	4.15	3.26	1.11
11.45	1.47	0.77	2.44	14.05	4.16	3.27	1.09
11.50	1.50	0.80	2.56	14.10	4.17	3.28	1.07
11.55	1.55	0.84	2.73	14.15	4.18	3.29	1.06
11.60	1.60	0.89	3.19	14.20	4.19	3.30	1.04
11.65	1.65	0.93	3.76	14.25	4.20	3.31	1.02
11.70	1.71	0.98	4.15	14.30	4.21	3.32	1.00
11.75	1.78	1.04	4.49	14.35	4.22	3.33	0.99
11.80	1.86	1.11	5.08	14.40	4.23	3.34	0.97
11.85	1.96	1.20	5.87	14.45	4.24	3.35	0.95
11.90	2.06	1.29	6.95	14.50	4.25	3.36	0.93
11.95	2.24	1.45	8.36	14.55	4.26	3.37	0.91
12.00	2.42	1.62	10.75	14.60	4.27	3.37	0.90
12.05	2.71	1.89	13.92	14.65	4.27	3.38	0.88
12.10	3.01	2.17	18.34	14.70	4.28	3.39	0.86
12.15	3.11	2.27	21.99	14.75	4.29	3.40	0.84
12.20	3.21	2.36	19.92	14.80	4.30	3.41	0.82
12.25	3.29	2.43	14.87	14.85	4.31	3.41	0.80
12.30	3.36	2.50	11.14	14.90	4.31	3.42	0.79
12.35	3.42	2.56	8.84	14.95	4.32	3.43	0.77
12.40	3.47	2.61	7.24	15.00	4.33	3.44	0.75
12.45	3.52	2.66	6.11	15.05	4.34	3.44	0.73
12.50	3.57	2.71	5.46	15.10	4.34	3.45	0.71
12.55	3.60	2.74	5.03	15.15	4.35	3.46	0.70
12.60	3.64	2.77	4.42	15.20	4.36	3.46	0.69
12.65	3.67	2.80	3.77	15.25	4.36	3.47	0.68
12.70	3.70	2.83	3.35	15.30	4.37	3.48	0.67
12.75	3.73	2.86	3.12	15.35	4.38	3.48	0.67
12.80	3.76	2.88	2.94	15.40	4.39	3.49	0.66
12.85	3.78	2.91	2.80	15.45	4.39	3.50	0.66
12.90	3.81	2.93	2.66	15.50	4.40	3.50	0.65
12.95	3.83	2.95	2.53	15.55	4.41	3.51	0.65

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	3.52	0.64	18.20	4.68	3.78	0.39
15.65	4.42	3.52	0.64	18.25	4.69	3.79	0.39
15.70	4.42	3.53	0.63	18.30	4.69	3.79	0.39
15.75	4.43	3.54	0.63	18.35	4.70	3.79	0.39
15.80	4.44	3.54	0.62	18.40	4.70	3.80	0.39
15.85	4.44	3.55	0.62	18.45	4.70	3.80	0.39
15.90	4.45	3.55	0.61	18.50	4.71	3.80	0.39
15.95	4.46	3.56	0.61	18.55	4.71	3.81	0.38
16.00	4.46	3.57	0.60	18.60	4.72	3.81	0.38
16.05	4.47	3.57	0.60	18.65	4.72	3.82	0.38
16.10	4.47	3.58	0.59	18.70	4.72	3.82	0.38
16.15	4.48	3.58	0.59	18.75	4.73	3.82	0.38
16.20	4.49	3.59	0.59	18.80	4.73	3.83	0.38
16.25	4.49	3.59	0.58	18.85	4.74	3.83	0.38
16.30	4.50	3.60	0.58	18.90	4.74	3.84	0.38
16.35	4.50	3.61	0.57	18.95	4.74	3.84	0.37
16.40	4.51	3.61	0.57	19.00	4.75	3.84	0.37
16.45	4.52	3.62	0.56	19.05	4.75	3.85	0.37
16.50	4.52	3.62	0.56	19.10	4.76	3.85	0.37
16.55	4.53	3.63	0.55	19.15	4.76	3.85	0.37
16.60	4.53	3.63	0.55	19.20	4.76	3.86	0.37
16.65	4.54	3.64	0.54	19.25	4.77	3.86	0.37
16.70	4.54	3.64	0.54	19.30	4.77	3.87	0.37
16.75	4.55	3.65	0.53	19.35	4.77	3.87	0.36
16.80	4.55	3.66	0.53	19.40	4.78	3.87	0.36
16.85	4.56	3.66	0.52	19.45	4.78	3.88	0.36
16.90	4.57	3.67	0.52	19.50	4.79	3.88	0.36
16.95	4.57	3.67	0.51	19.55	4.79	3.88	0.36
17.00	4.58	3.68	0.51	19.60	4.79	3.89	0.36
17.05	4.58	3.68	0.50	19.65	4.80	3.89	0.36
17.10	4.59	3.69	0.50	19.70	4.80	3.89	0.36
17.15	4.59	3.69	0.49	19.75	4.80	3.90	0.36
17.20	4.60	3.70	0.49	19.80	4.81	3.90	0.35
17.25	4.60	3.70	0.48	19.85	4.81	3.90	0.35
17.30	4.61	3.70	0.48	19.90	4.81	3.91	0.35
17.35	4.61	3.71	0.47	19.95	4.82	3.91	0.35
17.40	4.61	3.71	0.47	20.00	4.82	3.92	0.35
17.45	4.62	3.72	0.46	20.05	4.83	3.92	0.35
17.50	4.62	3.72	0.46	20.10	4.83	3.92	0.35
17.55	4.63	3.73	0.45	20.15	4.83	3.93	0.35
17.60	4.63	3.73	0.45	20.20	4.84	3.93	0.34
17.65	4.64	3.74	0.45	20.25	4.84	3.93	0.34
17.70	4.64	3.74	0.44	20.30	4.84	3.94	0.34
17.75	4.65	3.74	0.44	20.35	4.85	3.94	0.34
17.80	4.65	3.75	0.43	20.40	4.85	3.94	0.34
17.85	4.66	3.75	0.43	20.45	4.85	3.95	0.34
17.90	4.66	3.76	0.42	20.50	4.86	3.95	0.34
17.95	4.66	3.76	0.42	20.55	4.86	3.95	0.34
18.00	4.67	3.77	0.41	20.60	4.86	3.96	0.34
18.05	4.67	3.77	0.41	20.65	4.87	3.96	0.33
18.10	4.68	3.77	0.40	20.70	4.87	3.96	0.33
18.15	4.68	3.78	0.40	20.75	4.87	3.97	0.33

Hydrograph for Subcatchment X-11: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	3.97	0.33	23.40	5.04	4.13	0.27
20.85	4.88	3.97	0.33	23.45	5.04	4.13	0.27
20.90	4.88	3.98	0.33	23.50	5.04	4.13	0.27
20.95	4.89	3.98	0.33	23.55	5.04	4.13	0.26
21.00	4.89	3.98	0.32	23.60	5.05	4.14	0.26
21.05	4.89	3.99	0.32	23.65	5.05	4.14	0.26
21.10	4.90	3.99	0.32	23.70	5.05	4.14	0.26
21.15	4.90	3.99	0.32	23.75	5.06	4.14	0.26
21.20	4.90	4.00	0.32	23.80	5.06	4.15	0.26
21.25	4.91	4.00	0.32	23.85	5.06	4.15	0.26
21.30	4.91	4.00	0.32	23.90	5.06	4.15	0.25
21.35	4.91	4.01	0.32	23.95	5.07	4.15	0.26
21.40	4.92	4.01	0.32	24.00	5.07	4.16	0.27
21.45	4.92	4.01	0.31	24.05	5.07	4.16	0.28
21.50	4.92	4.01	0.31	24.10	5.07	4.16	0.21
21.55	4.93	4.02	0.31	24.15	5.07	4.16	0.11
21.60	4.93	4.02	0.31	24.20	5.07	4.16	0.05
21.65	4.93	4.02	0.31	24.25	5.07	4.16	0.02
21.70	4.94	4.03	0.31	24.30	5.07	4.16	0.01
21.75	4.94	4.03	0.31	24.35	5.07	4.16	0.00
21.80	4.94	4.03	0.31	24.40	5.07	4.16	0.00
21.85	4.95	4.04	0.31	24.45	5.07	4.16	0.00
21.90	4.95	4.04	0.30	24.50	5.07	4.16	0.00
21.95	4.95	4.04	0.30	24.55	5.07	4.16	0.00
22.00	4.96	4.05	0.30	24.60	5.07	4.16	0.00
22.05	4.96	4.05	0.30	24.65	5.07	4.16	0.00
22.10	4.96	4.05	0.30	24.70	5.07	4.16	0.00
22.15	4.96	4.05	0.30	24.75	5.07	4.16	0.00
22.20	4.97	4.06	0.30	24.80	5.07	4.16	0.00
22.25	4.97	4.06	0.30	24.85	5.07	4.16	0.00
22.30	4.97	4.06	0.29	24.90	5.07	4.16	0.00
22.35	4.98	4.07	0.29	24.95	5.07	4.16	0.00
22.40	4.98	4.07	0.29	25.00	5.07	4.16	0.00
22.45	4.98	4.07	0.29	25.05	5.07	4.16	0.00
22.50	4.99	4.08	0.29	25.10	5.07	4.16	0.00
22.55	4.99	4.08	0.29	25.15	5.07	4.16	0.00
22.60	4.99	4.08	0.29	25.20	5.07	4.16	0.00
22.65	4.99	4.08	0.29	25.25	5.07	4.16	0.00
22.70	5.00	4.09	0.28	25.30	5.07	4.16	0.00
22.75	5.00	4.09	0.28	25.35	5.07	4.16	0.00
22.80	5.00	4.09	0.28	25.40	5.07	4.16	0.00
22.85	5.01	4.10	0.28	25.45	5.07	4.16	0.00
22.90	5.01	4.10	0.28	25.50	5.07	4.16	0.00
22.95	5.01	4.10	0.28	25.55	5.07	4.16	0.00
23.00	5.01	4.10	0.28	25.60	5.07	4.16	0.00
23.05	5.02	4.11	0.28	25.65	5.07	4.16	0.00
23.10	5.02	4.11	0.28	25.70	5.07	4.16	0.00
23.15	5.02	4.11	0.27	25.75	5.07	4.16	0.00
23.20	5.03	4.11	0.27	25.80	5.07	4.16	0.00
23.25	5.03	4.12	0.27	25.85	5.07	4.16	0.00
23.30	5.03	4.12	0.27	25.90	5.07	4.16	0.00
23.35	5.03	4.12	0.27	25.95	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.16	0.00	28.60	5.07	4.16	0.00
26.05	5.07	4.16	0.00	28.65	5.07	4.16	0.00
26.10	5.07	4.16	0.00	28.70	5.07	4.16	0.00
26.15	5.07	4.16	0.00	28.75	5.07	4.16	0.00
26.20	5.07	4.16	0.00	28.80	5.07	4.16	0.00
26.25	5.07	4.16	0.00	28.85	5.07	4.16	0.00
26.30	5.07	4.16	0.00	28.90	5.07	4.16	0.00
26.35	5.07	4.16	0.00	28.95	5.07	4.16	0.00
26.40	5.07	4.16	0.00	29.00	5.07	4.16	0.00
26.45	5.07	4.16	0.00	29.05	5.07	4.16	0.00
26.50	5.07	4.16	0.00	29.10	5.07	4.16	0.00
26.55	5.07	4.16	0.00	29.15	5.07	4.16	0.00
26.60	5.07	4.16	0.00	29.20	5.07	4.16	0.00
26.65	5.07	4.16	0.00	29.25	5.07	4.16	0.00
26.70	5.07	4.16	0.00	29.30	5.07	4.16	0.00
26.75	5.07	4.16	0.00	29.35	5.07	4.16	0.00
26.80	5.07	4.16	0.00	29.40	5.07	4.16	0.00
26.85	5.07	4.16	0.00	29.45	5.07	4.16	0.00
26.90	5.07	4.16	0.00	29.50	5.07	4.16	0.00
26.95	5.07	4.16	0.00	29.55	5.07	4.16	0.00
27.00	5.07	4.16	0.00	29.60	5.07	4.16	0.00
27.05	5.07	4.16	0.00	29.65	5.07	4.16	0.00
27.10	5.07	4.16	0.00	29.70	5.07	4.16	0.00
27.15	5.07	4.16	0.00	29.75	5.07	4.16	0.00
27.20	5.07	4.16	0.00	29.80	5.07	4.16	0.00
27.25	5.07	4.16	0.00	29.85	5.07	4.16	0.00
27.30	5.07	4.16	0.00	29.90	5.07	4.16	0.00
27.35	5.07	4.16	0.00	29.95	5.07	4.16	0.00
27.40	5.07	4.16	0.00	30.00	5.07	4.16	0.00
27.45	5.07	4.16	0.00	30.05	5.07	4.16	0.00
27.50	5.07	4.16	0.00	30.10	5.07	4.16	0.00
27.55	5.07	4.16	0.00	30.15	5.07	4.16	0.00
27.60	5.07	4.16	0.00	30.20	5.07	4.16	0.00
27.65	5.07	4.16	0.00	30.25	5.07	4.16	0.00
27.70	5.07	4.16	0.00	30.30	5.07	4.16	0.00
27.75	5.07	4.16	0.00	30.35	5.07	4.16	0.00
27.80	5.07	4.16	0.00	30.40	5.07	4.16	0.00
27.85	5.07	4.16	0.00	30.45	5.07	4.16	0.00
27.90	5.07	4.16	0.00	30.50	5.07	4.16	0.00
27.95	5.07	4.16	0.00	30.55	5.07	4.16	0.00
28.00	5.07	4.16	0.00	30.60	5.07	4.16	0.00
28.05	5.07	4.16	0.00	30.65	5.07	4.16	0.00
28.10	5.07	4.16	0.00	30.70	5.07	4.16	0.00
28.15	5.07	4.16	0.00	30.75	5.07	4.16	0.00
28.20	5.07	4.16	0.00	30.80	5.07	4.16	0.00
28.25	5.07	4.16	0.00	30.85	5.07	4.16	0.00
28.30	5.07	4.16	0.00	30.90	5.07	4.16	0.00
28.35	5.07	4.16	0.00	30.95	5.07	4.16	0.00
28.40	5.07	4.16	0.00	31.00	5.07	4.16	0.00
28.45	5.07	4.16	0.00	31.05	5.07	4.16	0.00
28.50	5.07	4.16	0.00	31.10	5.07	4.16	0.00
28.55	5.07	4.16	0.00	31.15	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.16	0.00	33.80	5.07	4.16	0.00
31.25	5.07	4.16	0.00	33.85	5.07	4.16	0.00
31.30	5.07	4.16	0.00	33.90	5.07	4.16	0.00
31.35	5.07	4.16	0.00	33.95	5.07	4.16	0.00
31.40	5.07	4.16	0.00	34.00	5.07	4.16	0.00
31.45	5.07	4.16	0.00	34.05	5.07	4.16	0.00
31.50	5.07	4.16	0.00	34.10	5.07	4.16	0.00
31.55	5.07	4.16	0.00	34.15	5.07	4.16	0.00
31.60	5.07	4.16	0.00	34.20	5.07	4.16	0.00
31.65	5.07	4.16	0.00	34.25	5.07	4.16	0.00
31.70	5.07	4.16	0.00	34.30	5.07	4.16	0.00
31.75	5.07	4.16	0.00	34.35	5.07	4.16	0.00
31.80	5.07	4.16	0.00	34.40	5.07	4.16	0.00
31.85	5.07	4.16	0.00	34.45	5.07	4.16	0.00
31.90	5.07	4.16	0.00	34.50	5.07	4.16	0.00
31.95	5.07	4.16	0.00	34.55	5.07	4.16	0.00
32.00	5.07	4.16	0.00	34.60	5.07	4.16	0.00
32.05	5.07	4.16	0.00	34.65	5.07	4.16	0.00
32.10	5.07	4.16	0.00	34.70	5.07	4.16	0.00
32.15	5.07	4.16	0.00	34.75	5.07	4.16	0.00
32.20	5.07	4.16	0.00	34.80	5.07	4.16	0.00
32.25	5.07	4.16	0.00	34.85	5.07	4.16	0.00
32.30	5.07	4.16	0.00	34.90	5.07	4.16	0.00
32.35	5.07	4.16	0.00	34.95	5.07	4.16	0.00
32.40	5.07	4.16	0.00	35.00	5.07	4.16	0.00
32.45	5.07	4.16	0.00	35.05	5.07	4.16	0.00
32.50	5.07	4.16	0.00	35.10	5.07	4.16	0.00
32.55	5.07	4.16	0.00	35.15	5.07	4.16	0.00
32.60	5.07	4.16	0.00	35.20	5.07	4.16	0.00
32.65	5.07	4.16	0.00	35.25	5.07	4.16	0.00
32.70	5.07	4.16	0.00	35.30	5.07	4.16	0.00
32.75	5.07	4.16	0.00	35.35	5.07	4.16	0.00
32.80	5.07	4.16	0.00	35.40	5.07	4.16	0.00
32.85	5.07	4.16	0.00	35.45	5.07	4.16	0.00
32.90	5.07	4.16	0.00	35.50	5.07	4.16	0.00
32.95	5.07	4.16	0.00	35.55	5.07	4.16	0.00
33.00	5.07	4.16	0.00	35.60	5.07	4.16	0.00
33.05	5.07	4.16	0.00	35.65	5.07	4.16	0.00
33.10	5.07	4.16	0.00	35.70	5.07	4.16	0.00
33.15	5.07	4.16	0.00	35.75	5.07	4.16	0.00
33.20	5.07	4.16	0.00	35.80	5.07	4.16	0.00
33.25	5.07	4.16	0.00	35.85	5.07	4.16	0.00
33.30	5.07	4.16	0.00	35.90	5.07	4.16	0.00
33.35	5.07	4.16	0.00	35.95	5.07	4.16	0.00
33.40	5.07	4.16	0.00	36.00	5.07	4.16	0.00
33.45	5.07	4.16	0.00	36.05	5.07	4.16	0.00
33.50	5.07	4.16	0.00	36.10	5.07	4.16	0.00
33.55	5.07	4.16	0.00	36.15	5.07	4.16	0.00
33.60	5.07	4.16	0.00	36.20	5.07	4.16	0.00
33.65	5.07	4.16	0.00	36.25	5.07	4.16	0.00
33.70	5.07	4.16	0.00	36.30	5.07	4.16	0.00
33.75	5.07	4.16	0.00	36.35	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.16	0.00	39.00	5.07	4.16	0.00
36.45	5.07	4.16	0.00	39.05	5.07	4.16	0.00
36.50	5.07	4.16	0.00	39.10	5.07	4.16	0.00
36.55	5.07	4.16	0.00	39.15	5.07	4.16	0.00
36.60	5.07	4.16	0.00	39.20	5.07	4.16	0.00
36.65	5.07	4.16	0.00	39.25	5.07	4.16	0.00
36.70	5.07	4.16	0.00	39.30	5.07	4.16	0.00
36.75	5.07	4.16	0.00	39.35	5.07	4.16	0.00
36.80	5.07	4.16	0.00	39.40	5.07	4.16	0.00
36.85	5.07	4.16	0.00	39.45	5.07	4.16	0.00
36.90	5.07	4.16	0.00	39.50	5.07	4.16	0.00
36.95	5.07	4.16	0.00	39.55	5.07	4.16	0.00
37.00	5.07	4.16	0.00	39.60	5.07	4.16	0.00
37.05	5.07	4.16	0.00	39.65	5.07	4.16	0.00
37.10	5.07	4.16	0.00	39.70	5.07	4.16	0.00
37.15	5.07	4.16	0.00	39.75	5.07	4.16	0.00
37.20	5.07	4.16	0.00	39.80	5.07	4.16	0.00
37.25	5.07	4.16	0.00	39.85	5.07	4.16	0.00
37.30	5.07	4.16	0.00	39.90	5.07	4.16	0.00
37.35	5.07	4.16	0.00	39.95	5.07	4.16	0.00
37.40	5.07	4.16	0.00	40.00	5.07	4.16	0.00
37.45	5.07	4.16	0.00				
37.50	5.07	4.16	0.00				
37.55	5.07	4.16	0.00				
37.60	5.07	4.16	0.00				
37.65	5.07	4.16	0.00				
37.70	5.07	4.16	0.00				
37.75	5.07	4.16	0.00				
37.80	5.07	4.16	0.00				
37.85	5.07	4.16	0.00				
37.90	5.07	4.16	0.00				
37.95	5.07	4.16	0.00				
38.00	5.07	4.16	0.00				
38.05	5.07	4.16	0.00				
38.10	5.07	4.16	0.00				
38.15	5.07	4.16	0.00				
38.20	5.07	4.16	0.00				
38.25	5.07	4.16	0.00				
38.30	5.07	4.16	0.00				
38.35	5.07	4.16	0.00				
38.40	5.07	4.16	0.00				
38.45	5.07	4.16	0.00				
38.50	5.07	4.16	0.00				
38.55	5.07	4.16	0.00				
38.60	5.07	4.16	0.00				
38.65	5.07	4.16	0.00				
38.70	5.07	4.16	0.00				
38.75	5.07	4.16	0.00				
38.80	5.07	4.16	0.00				
38.85	5.07	4.16	0.00				
38.90	5.07	4.16	0.00				
38.95	5.07	4.16	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

Runoff = 123.88 cfs @ 12.17 hrs, Volume= 9.139 af, Depth= 1.78"
 Routed to Link XDA-1 : Existing Drainage Area #1

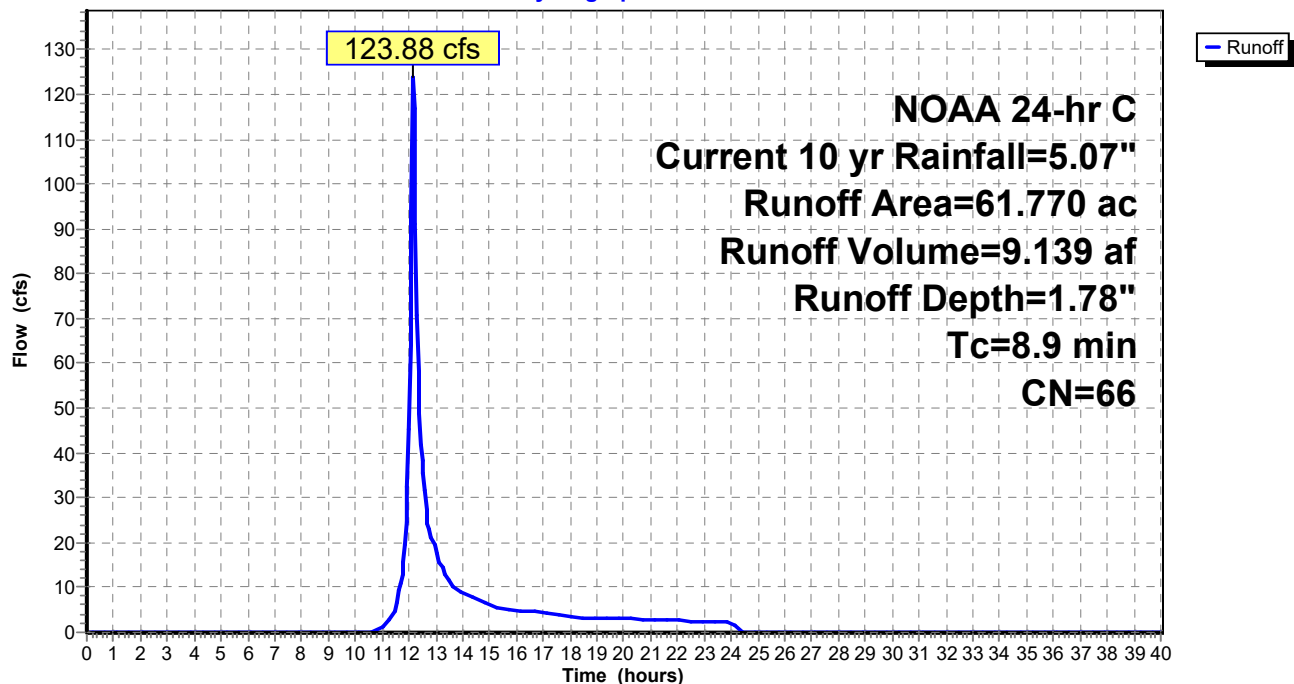
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	1.00	18.06
10.45	1.03	0.00	0.00	13.05	3.87	1.01	17.17
10.50	1.04	0.00	0.00	13.10	3.89	1.02	16.25
10.55	1.06	0.00	0.02	13.15	3.91	1.03	15.38
10.60	1.07	0.00	0.07	13.20	3.93	1.04	14.68
10.65	1.09	0.00	0.14	13.25	3.95	1.05	14.10
10.70	1.10	0.00	0.24	13.30	3.97	1.07	13.57
10.75	1.12	0.00	0.36	13.35	3.98	1.07	13.06
10.80	1.14	0.00	0.49	13.40	4.00	1.08	12.55
10.85	1.16	0.00	0.63	13.45	4.01	1.09	12.05
10.90	1.18	0.00	0.80	13.50	4.03	1.10	11.53
10.95	1.20	0.01	0.98	13.55	4.04	1.11	11.03
11.00	1.22	0.01	1.17	13.60	4.05	1.12	10.51
11.05	1.24	0.01	1.39	13.65	4.06	1.12	10.04
11.10	1.26	0.01	1.65	13.70	4.08	1.13	9.72
11.15	1.29	0.01	1.95	13.75	4.09	1.14	9.51
11.20	1.31	0.01	2.30	13.80	4.10	1.15	9.34
11.25	1.34	0.02	2.68	13.85	4.11	1.15	9.20
11.30	1.37	0.02	3.10	13.90	4.12	1.16	9.07
11.35	1.40	0.02	3.56	13.95	4.13	1.17	8.95
11.40	1.43	0.03	4.07	14.00	4.15	1.17	8.81
11.45	1.47	0.03	4.60	14.05	4.16	1.18	8.68
11.50	1.50	0.04	5.16	14.10	4.17	1.19	8.55
11.55	1.55	0.05	5.91	14.15	4.18	1.19	8.42
11.60	1.60	0.06	7.43	14.20	4.19	1.20	8.29
11.65	1.65	0.07	9.40	14.25	4.20	1.21	8.17
11.70	1.71	0.08	11.13	14.30	4.21	1.21	8.03
11.75	1.78	0.10	12.87	14.35	4.22	1.22	7.90
11.80	1.86	0.11	15.66	14.40	4.23	1.22	7.76
11.85	1.96	0.14	19.47	14.45	4.24	1.23	7.62
11.90	2.06	0.17	24.82	14.50	4.25	1.24	7.49
11.95	2.24	0.23	32.27	14.55	4.26	1.24	7.36
12.00	2.42	0.29	45.35	14.60	4.27	1.25	7.22
12.05	2.71	0.41	64.25	14.65	4.27	1.25	7.08
12.10	3.01	0.55	93.46	14.70	4.28	1.26	6.94
12.15	3.11	0.60	121.83	14.75	4.29	1.26	6.80
12.20	3.21	0.65	116.84	14.80	4.30	1.27	6.66
12.25	3.29	0.69	91.08	14.85	4.31	1.27	6.53
12.30	3.36	0.73	70.87	14.90	4.31	1.28	6.39
12.35	3.42	0.75	58.05	14.95	4.32	1.28	6.24
12.40	3.47	0.78	48.79	15.00	4.33	1.29	6.10
12.45	3.52	0.81	42.01	15.05	4.34	1.29	5.96
12.50	3.57	0.84	38.18	15.10	4.34	1.30	5.82
12.55	3.60	0.86	35.72	15.15	4.35	1.30	5.69
12.60	3.64	0.88	31.71	15.20	4.36	1.31	5.60
12.65	3.67	0.89	27.23	15.25	4.36	1.31	5.54
12.70	3.70	0.91	24.42	15.30	4.37	1.31	5.49
12.75	3.73	0.93	22.87	15.35	4.38	1.32	5.45
12.80	3.76	0.94	21.72	15.40	4.39	1.32	5.42
12.85	3.78	0.96	20.77	15.45	4.39	1.33	5.39
12.90	3.81	0.97	19.85	15.50	4.40	1.33	5.36
12.95	3.83	0.99	18.96	15.55	4.41	1.34	5.32

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.34	5.28	18.20	4.68	1.52	3.35
15.65	4.42	1.34	5.25	18.25	4.69	1.52	3.33
15.70	4.42	1.35	5.22	18.30	4.69	1.52	3.32
15.75	4.43	1.35	5.18	18.35	4.70	1.52	3.31
15.80	4.44	1.36	5.14	18.40	4.70	1.53	3.30
15.85	4.44	1.36	5.10	18.45	4.70	1.53	3.29
15.90	4.45	1.36	5.07	18.50	4.71	1.53	3.28
15.95	4.46	1.37	5.04	18.55	4.71	1.53	3.28
16.00	4.46	1.37	5.00	18.60	4.72	1.54	3.27
16.05	4.47	1.38	4.96	18.65	4.72	1.54	3.26
16.10	4.47	1.38	4.92	18.70	4.72	1.54	3.25
16.15	4.48	1.38	4.90	18.75	4.73	1.55	3.24
16.20	4.49	1.39	4.86	18.80	4.73	1.55	3.23
16.25	4.49	1.39	4.83	18.85	4.74	1.55	3.22
16.30	4.50	1.40	4.78	18.90	4.74	1.55	3.21
16.35	4.50	1.40	4.74	18.95	4.74	1.56	3.20
16.40	4.51	1.40	4.71	19.00	4.75	1.56	3.19
16.45	4.52	1.41	4.67	19.05	4.75	1.56	3.19
16.50	4.52	1.41	4.63	19.10	4.76	1.56	3.18
16.55	4.53	1.41	4.59	19.15	4.76	1.57	3.17
16.60	4.53	1.42	4.56	19.20	4.76	1.57	3.16
16.65	4.54	1.42	4.52	19.25	4.77	1.57	3.15
16.70	4.54	1.42	4.49	19.30	4.77	1.57	3.14
16.75	4.55	1.43	4.45	19.35	4.77	1.58	3.13
16.80	4.55	1.43	4.41	19.40	4.78	1.58	3.12
16.85	4.56	1.43	4.37	19.45	4.78	1.58	3.11
16.90	4.57	1.44	4.33	19.50	4.79	1.58	3.10
16.95	4.57	1.44	4.30	19.55	4.79	1.59	3.09
17.00	4.58	1.45	4.26	19.60	4.79	1.59	3.09
17.05	4.58	1.45	4.23	19.65	4.80	1.59	3.08
17.10	4.59	1.45	4.19	19.70	4.80	1.59	3.07
17.15	4.59	1.46	4.15	19.75	4.80	1.60	3.06
17.20	4.60	1.46	4.11	19.80	4.81	1.60	3.05
17.25	4.60	1.46	4.07	19.85	4.81	1.60	3.05
17.30	4.61	1.46	4.03	19.90	4.81	1.60	3.04
17.35	4.61	1.47	3.99	19.95	4.82	1.61	3.03
17.40	4.61	1.47	3.95	20.00	4.82	1.61	3.01
17.45	4.62	1.47	3.91	20.05	4.83	1.61	3.00
17.50	4.62	1.48	3.88	20.10	4.83	1.61	2.99
17.55	4.63	1.48	3.84	20.15	4.83	1.61	2.98
17.60	4.63	1.48	3.80	20.20	4.84	1.62	2.97
17.65	4.64	1.49	3.76	20.25	4.84	1.62	2.96
17.70	4.64	1.49	3.72	20.30	4.84	1.62	2.96
17.75	4.65	1.49	3.69	20.35	4.85	1.62	2.95
17.80	4.65	1.49	3.65	20.40	4.85	1.63	2.94
17.85	4.66	1.50	3.61	20.45	4.85	1.63	2.93
17.90	4.66	1.50	3.57	20.50	4.86	1.63	2.92
17.95	4.66	1.50	3.53	20.55	4.86	1.63	2.91
18.00	4.67	1.51	3.49	20.60	4.86	1.64	2.91
18.05	4.67	1.51	3.45	20.65	4.87	1.64	2.90
18.10	4.68	1.51	3.41	20.70	4.87	1.64	2.89
18.15	4.68	1.51	3.37	20.75	4.87	1.64	2.88

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.64	2.86	23.40	5.04	1.75	2.36
20.85	4.88	1.65	2.85	23.45	5.04	1.75	2.35
20.90	4.88	1.65	2.84	23.50	5.04	1.76	2.34
20.95	4.89	1.65	2.83	23.55	5.04	1.76	2.32
21.00	4.89	1.65	2.82	23.60	5.05	1.76	2.31
21.05	4.89	1.66	2.81	23.65	5.05	1.76	2.30
21.10	4.90	1.66	2.80	23.70	5.05	1.76	2.29
21.15	4.90	1.66	2.79	23.75	5.06	1.77	2.29
21.20	4.90	1.66	2.78	23.80	5.06	1.77	2.28
21.25	4.91	1.67	2.78	23.85	5.06	1.77	2.26
21.30	4.91	1.67	2.77	23.90	5.06	1.77	2.25
21.35	4.91	1.67	2.77	23.95	5.07	1.77	2.27
21.40	4.92	1.67	2.76	24.00	5.07	1.78	2.40
21.45	4.92	1.67	2.74	24.05	5.07	1.78	2.44
21.50	4.92	1.68	2.73	24.10	5.07	1.78	1.83
21.55	4.93	1.68	2.72	24.15	5.07	1.78	0.94
21.60	4.93	1.68	2.71	24.20	5.07	1.78	0.41
21.65	4.93	1.68	2.70	24.25	5.07	1.78	0.18
21.70	4.94	1.68	2.69	24.30	5.07	1.78	0.08
21.75	4.94	1.69	2.68	24.35	5.07	1.78	0.03
21.80	4.94	1.69	2.67	24.40	5.07	1.78	0.01
21.85	4.95	1.69	2.67	24.45	5.07	1.78	0.00
21.90	4.95	1.69	2.66	24.50	5.07	1.78	0.00
21.95	4.95	1.70	2.64	24.55	5.07	1.78	0.00
22.00	4.96	1.70	2.63	24.60	5.07	1.78	0.00
22.05	4.96	1.70	2.62	24.65	5.07	1.78	0.00
22.10	4.96	1.70	2.61	24.70	5.07	1.78	0.00
22.15	4.96	1.70	2.60	24.75	5.07	1.78	0.00
22.20	4.97	1.71	2.60	24.80	5.07	1.78	0.00
22.25	4.97	1.71	2.59	24.85	5.07	1.78	0.00
22.30	4.97	1.71	2.58	24.90	5.07	1.78	0.00
22.35	4.98	1.71	2.56	24.95	5.07	1.78	0.00
22.40	4.98	1.71	2.55	25.00	5.07	1.78	0.00
22.45	4.98	1.72	2.54	25.05	5.07	1.78	0.00
22.50	4.99	1.72	2.53	25.10	5.07	1.78	0.00
22.55	4.99	1.72	2.52	25.15	5.07	1.78	0.00
22.60	4.99	1.72	2.52	25.20	5.07	1.78	0.00
22.65	4.99	1.72	2.51	25.25	5.07	1.78	0.00
22.70	5.00	1.73	2.50	25.30	5.07	1.78	0.00
22.75	5.00	1.73	2.49	25.35	5.07	1.78	0.00
22.80	5.00	1.73	2.47	25.40	5.07	1.78	0.00
22.85	5.01	1.73	2.46	25.45	5.07	1.78	0.00
22.90	5.01	1.73	2.45	25.50	5.07	1.78	0.00
22.95	5.01	1.74	2.44	25.55	5.07	1.78	0.00
23.00	5.01	1.74	2.44	25.60	5.07	1.78	0.00
23.05	5.02	1.74	2.43	25.65	5.07	1.78	0.00
23.10	5.02	1.74	2.42	25.70	5.07	1.78	0.00
23.15	5.02	1.74	2.41	25.75	5.07	1.78	0.00
23.20	5.03	1.75	2.39	25.80	5.07	1.78	0.00
23.25	5.03	1.75	2.38	25.85	5.07	1.78	0.00
23.30	5.03	1.75	2.37	25.90	5.07	1.78	0.00
23.35	5.03	1.75	2.36	25.95	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.78	0.00	28.60	5.07	1.78	0.00
26.05	5.07	1.78	0.00	28.65	5.07	1.78	0.00
26.10	5.07	1.78	0.00	28.70	5.07	1.78	0.00
26.15	5.07	1.78	0.00	28.75	5.07	1.78	0.00
26.20	5.07	1.78	0.00	28.80	5.07	1.78	0.00
26.25	5.07	1.78	0.00	28.85	5.07	1.78	0.00
26.30	5.07	1.78	0.00	28.90	5.07	1.78	0.00
26.35	5.07	1.78	0.00	28.95	5.07	1.78	0.00
26.40	5.07	1.78	0.00	29.00	5.07	1.78	0.00
26.45	5.07	1.78	0.00	29.05	5.07	1.78	0.00
26.50	5.07	1.78	0.00	29.10	5.07	1.78	0.00
26.55	5.07	1.78	0.00	29.15	5.07	1.78	0.00
26.60	5.07	1.78	0.00	29.20	5.07	1.78	0.00
26.65	5.07	1.78	0.00	29.25	5.07	1.78	0.00
26.70	5.07	1.78	0.00	29.30	5.07	1.78	0.00
26.75	5.07	1.78	0.00	29.35	5.07	1.78	0.00
26.80	5.07	1.78	0.00	29.40	5.07	1.78	0.00
26.85	5.07	1.78	0.00	29.45	5.07	1.78	0.00
26.90	5.07	1.78	0.00	29.50	5.07	1.78	0.00
26.95	5.07	1.78	0.00	29.55	5.07	1.78	0.00
27.00	5.07	1.78	0.00	29.60	5.07	1.78	0.00
27.05	5.07	1.78	0.00	29.65	5.07	1.78	0.00
27.10	5.07	1.78	0.00	29.70	5.07	1.78	0.00
27.15	5.07	1.78	0.00	29.75	5.07	1.78	0.00
27.20	5.07	1.78	0.00	29.80	5.07	1.78	0.00
27.25	5.07	1.78	0.00	29.85	5.07	1.78	0.00
27.30	5.07	1.78	0.00	29.90	5.07	1.78	0.00
27.35	5.07	1.78	0.00	29.95	5.07	1.78	0.00
27.40	5.07	1.78	0.00	30.00	5.07	1.78	0.00
27.45	5.07	1.78	0.00	30.05	5.07	1.78	0.00
27.50	5.07	1.78	0.00	30.10	5.07	1.78	0.00
27.55	5.07	1.78	0.00	30.15	5.07	1.78	0.00
27.60	5.07	1.78	0.00	30.20	5.07	1.78	0.00
27.65	5.07	1.78	0.00	30.25	5.07	1.78	0.00
27.70	5.07	1.78	0.00	30.30	5.07	1.78	0.00
27.75	5.07	1.78	0.00	30.35	5.07	1.78	0.00
27.80	5.07	1.78	0.00	30.40	5.07	1.78	0.00
27.85	5.07	1.78	0.00	30.45	5.07	1.78	0.00
27.90	5.07	1.78	0.00	30.50	5.07	1.78	0.00
27.95	5.07	1.78	0.00	30.55	5.07	1.78	0.00
28.00	5.07	1.78	0.00	30.60	5.07	1.78	0.00
28.05	5.07	1.78	0.00	30.65	5.07	1.78	0.00
28.10	5.07	1.78	0.00	30.70	5.07	1.78	0.00
28.15	5.07	1.78	0.00	30.75	5.07	1.78	0.00
28.20	5.07	1.78	0.00	30.80	5.07	1.78	0.00
28.25	5.07	1.78	0.00	30.85	5.07	1.78	0.00
28.30	5.07	1.78	0.00	30.90	5.07	1.78	0.00
28.35	5.07	1.78	0.00	30.95	5.07	1.78	0.00
28.40	5.07	1.78	0.00	31.00	5.07	1.78	0.00
28.45	5.07	1.78	0.00	31.05	5.07	1.78	0.00
28.50	5.07	1.78	0.00	31.10	5.07	1.78	0.00
28.55	5.07	1.78	0.00	31.15	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.78	0.00	33.80	5.07	1.78	0.00
31.25	5.07	1.78	0.00	33.85	5.07	1.78	0.00
31.30	5.07	1.78	0.00	33.90	5.07	1.78	0.00
31.35	5.07	1.78	0.00	33.95	5.07	1.78	0.00
31.40	5.07	1.78	0.00	34.00	5.07	1.78	0.00
31.45	5.07	1.78	0.00	34.05	5.07	1.78	0.00
31.50	5.07	1.78	0.00	34.10	5.07	1.78	0.00
31.55	5.07	1.78	0.00	34.15	5.07	1.78	0.00
31.60	5.07	1.78	0.00	34.20	5.07	1.78	0.00
31.65	5.07	1.78	0.00	34.25	5.07	1.78	0.00
31.70	5.07	1.78	0.00	34.30	5.07	1.78	0.00
31.75	5.07	1.78	0.00	34.35	5.07	1.78	0.00
31.80	5.07	1.78	0.00	34.40	5.07	1.78	0.00
31.85	5.07	1.78	0.00	34.45	5.07	1.78	0.00
31.90	5.07	1.78	0.00	34.50	5.07	1.78	0.00
31.95	5.07	1.78	0.00	34.55	5.07	1.78	0.00
32.00	5.07	1.78	0.00	34.60	5.07	1.78	0.00
32.05	5.07	1.78	0.00	34.65	5.07	1.78	0.00
32.10	5.07	1.78	0.00	34.70	5.07	1.78	0.00
32.15	5.07	1.78	0.00	34.75	5.07	1.78	0.00
32.20	5.07	1.78	0.00	34.80	5.07	1.78	0.00
32.25	5.07	1.78	0.00	34.85	5.07	1.78	0.00
32.30	5.07	1.78	0.00	34.90	5.07	1.78	0.00
32.35	5.07	1.78	0.00	34.95	5.07	1.78	0.00
32.40	5.07	1.78	0.00	35.00	5.07	1.78	0.00
32.45	5.07	1.78	0.00	35.05	5.07	1.78	0.00
32.50	5.07	1.78	0.00	35.10	5.07	1.78	0.00
32.55	5.07	1.78	0.00	35.15	5.07	1.78	0.00
32.60	5.07	1.78	0.00	35.20	5.07	1.78	0.00
32.65	5.07	1.78	0.00	35.25	5.07	1.78	0.00
32.70	5.07	1.78	0.00	35.30	5.07	1.78	0.00
32.75	5.07	1.78	0.00	35.35	5.07	1.78	0.00
32.80	5.07	1.78	0.00	35.40	5.07	1.78	0.00
32.85	5.07	1.78	0.00	35.45	5.07	1.78	0.00
32.90	5.07	1.78	0.00	35.50	5.07	1.78	0.00
32.95	5.07	1.78	0.00	35.55	5.07	1.78	0.00
33.00	5.07	1.78	0.00	35.60	5.07	1.78	0.00
33.05	5.07	1.78	0.00	35.65	5.07	1.78	0.00
33.10	5.07	1.78	0.00	35.70	5.07	1.78	0.00
33.15	5.07	1.78	0.00	35.75	5.07	1.78	0.00
33.20	5.07	1.78	0.00	35.80	5.07	1.78	0.00
33.25	5.07	1.78	0.00	35.85	5.07	1.78	0.00
33.30	5.07	1.78	0.00	35.90	5.07	1.78	0.00
33.35	5.07	1.78	0.00	35.95	5.07	1.78	0.00
33.40	5.07	1.78	0.00	36.00	5.07	1.78	0.00
33.45	5.07	1.78	0.00	36.05	5.07	1.78	0.00
33.50	5.07	1.78	0.00	36.10	5.07	1.78	0.00
33.55	5.07	1.78	0.00	36.15	5.07	1.78	0.00
33.60	5.07	1.78	0.00	36.20	5.07	1.78	0.00
33.65	5.07	1.78	0.00	36.25	5.07	1.78	0.00
33.70	5.07	1.78	0.00	36.30	5.07	1.78	0.00
33.75	5.07	1.78	0.00	36.35	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.78	0.00	39.00	5.07	1.78	0.00
36.45	5.07	1.78	0.00	39.05	5.07	1.78	0.00
36.50	5.07	1.78	0.00	39.10	5.07	1.78	0.00
36.55	5.07	1.78	0.00	39.15	5.07	1.78	0.00
36.60	5.07	1.78	0.00	39.20	5.07	1.78	0.00
36.65	5.07	1.78	0.00	39.25	5.07	1.78	0.00
36.70	5.07	1.78	0.00	39.30	5.07	1.78	0.00
36.75	5.07	1.78	0.00	39.35	5.07	1.78	0.00
36.80	5.07	1.78	0.00	39.40	5.07	1.78	0.00
36.85	5.07	1.78	0.00	39.45	5.07	1.78	0.00
36.90	5.07	1.78	0.00	39.50	5.07	1.78	0.00
36.95	5.07	1.78	0.00	39.55	5.07	1.78	0.00
37.00	5.07	1.78	0.00	39.60	5.07	1.78	0.00
37.05	5.07	1.78	0.00	39.65	5.07	1.78	0.00
37.10	5.07	1.78	0.00	39.70	5.07	1.78	0.00
37.15	5.07	1.78	0.00	39.75	5.07	1.78	0.00
37.20	5.07	1.78	0.00	39.80	5.07	1.78	0.00
37.25	5.07	1.78	0.00	39.85	5.07	1.78	0.00
37.30	5.07	1.78	0.00	39.90	5.07	1.78	0.00
37.35	5.07	1.78	0.00	39.95	5.07	1.78	0.00
37.40	5.07	1.78	0.00	40.00	5.07	1.78	0.00
37.45	5.07	1.78	0.00				
37.50	5.07	1.78	0.00				
37.55	5.07	1.78	0.00				
37.60	5.07	1.78	0.00				
37.65	5.07	1.78	0.00				
37.70	5.07	1.78	0.00				
37.75	5.07	1.78	0.00				
37.80	5.07	1.78	0.00				
37.85	5.07	1.78	0.00				
37.90	5.07	1.78	0.00				
37.95	5.07	1.78	0.00				
38.00	5.07	1.78	0.00				
38.05	5.07	1.78	0.00				
38.10	5.07	1.78	0.00				
38.15	5.07	1.78	0.00				
38.20	5.07	1.78	0.00				
38.25	5.07	1.78	0.00				
38.30	5.07	1.78	0.00				
38.35	5.07	1.78	0.00				
38.40	5.07	1.78	0.00				
38.45	5.07	1.78	0.00				
38.50	5.07	1.78	0.00				
38.55	5.07	1.78	0.00				
38.60	5.07	1.78	0.00				
38.65	5.07	1.78	0.00				
38.70	5.07	1.78	0.00				
38.75	5.07	1.78	0.00				
38.80	5.07	1.78	0.00				
38.85	5.07	1.78	0.00				
38.90	5.07	1.78	0.00				
38.95	5.07	1.78	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 52.35 cfs @ 12.17 hrs, Volume= 3.842 af, Depth= 1.85"
Routed to Link XDA-10 : XDA-10

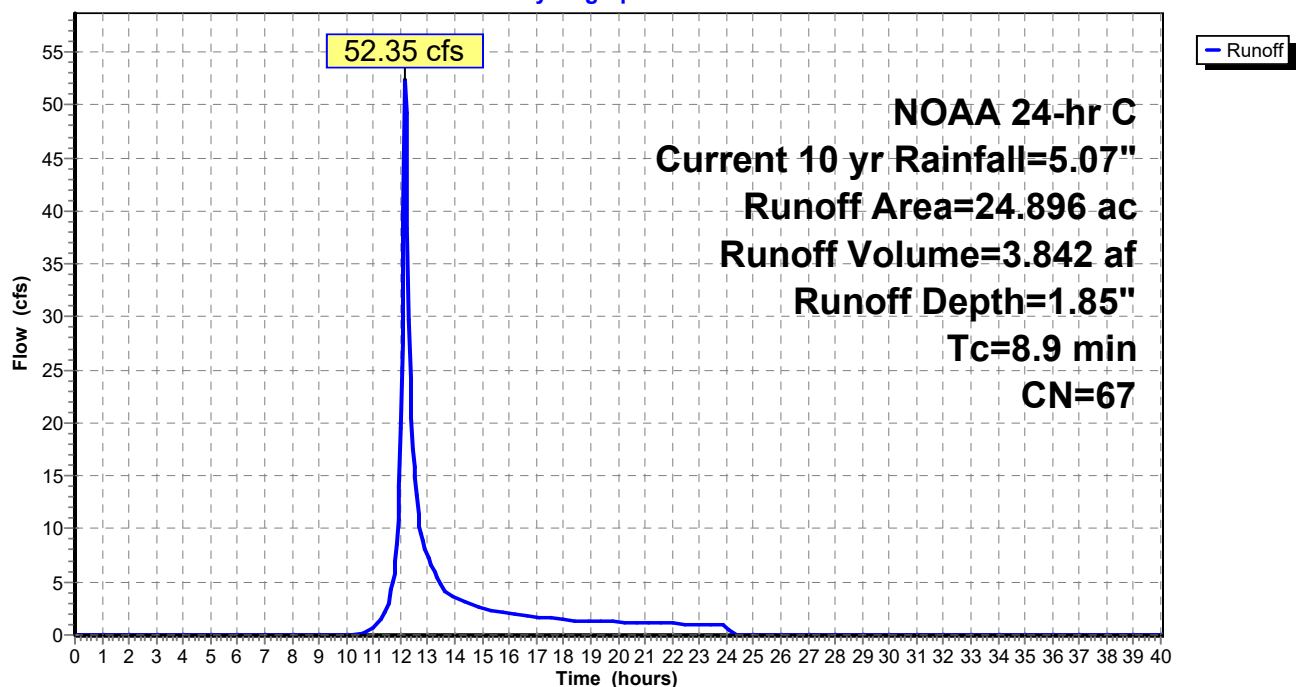
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.02	13.00	3.85	1.06	7.51
10.45	1.03	0.00	0.04	13.05	3.87	1.07	7.14
10.50	1.04	0.00	0.07	13.10	3.89	1.08	6.75
10.55	1.06	0.00	0.10	13.15	3.91	1.09	6.39
10.60	1.07	0.00	0.14	13.20	3.93	1.10	6.10
10.65	1.09	0.00	0.18	13.25	3.95	1.11	5.86
10.70	1.10	0.00	0.23	13.30	3.97	1.12	5.63
10.75	1.12	0.00	0.28	13.35	3.98	1.13	5.42
10.80	1.14	0.00	0.34	13.40	4.00	1.14	5.21
10.85	1.16	0.01	0.41	13.45	4.01	1.15	5.00
10.90	1.18	0.01	0.49	13.50	4.03	1.16	4.79
10.95	1.20	0.01	0.56	13.55	4.04	1.17	4.58
11.00	1.22	0.01	0.65	13.60	4.05	1.18	4.36
11.05	1.24	0.01	0.75	13.65	4.06	1.18	4.16
11.10	1.26	0.01	0.87	13.70	4.08	1.19	4.03
11.15	1.29	0.02	1.00	13.75	4.09	1.20	3.94
11.20	1.31	0.02	1.15	13.80	4.10	1.21	3.87
11.25	1.34	0.02	1.32	13.85	4.11	1.21	3.81
11.30	1.37	0.03	1.50	13.90	4.12	1.22	3.76
11.35	1.40	0.03	1.70	13.95	4.13	1.23	3.71
11.40	1.43	0.04	1.92	14.00	4.15	1.24	3.65
11.45	1.47	0.04	2.15	14.05	4.16	1.24	3.60
11.50	1.50	0.05	2.39	14.10	4.17	1.25	3.54
11.55	1.55	0.06	2.71	14.15	4.18	1.26	3.49
11.60	1.60	0.07	3.38	14.20	4.19	1.26	3.44
11.65	1.65	0.08	4.24	14.25	4.20	1.27	3.38
11.70	1.71	0.09	4.99	14.30	4.21	1.28	3.33
11.75	1.78	0.11	5.73	14.35	4.22	1.28	3.27
11.80	1.86	0.13	6.92	14.40	4.23	1.29	3.21
11.85	1.96	0.16	8.55	14.45	4.24	1.29	3.16
11.90	2.06	0.19	10.83	14.50	4.25	1.30	3.10
11.95	2.24	0.25	14.00	14.55	4.26	1.31	3.05
12.00	2.42	0.32	19.54	14.60	4.27	1.31	2.99
12.05	2.71	0.45	27.51	14.65	4.27	1.32	2.93
12.10	3.01	0.59	39.75	14.70	4.28	1.32	2.87
12.15	3.11	0.64	51.54	14.75	4.29	1.33	2.82
12.20	3.21	0.69	49.26	14.80	4.30	1.33	2.76
12.25	3.29	0.73	38.30	14.85	4.31	1.34	2.70
12.30	3.36	0.77	29.74	14.90	4.31	1.34	2.64
12.35	3.42	0.80	24.32	14.95	4.32	1.35	2.58
12.40	3.47	0.83	20.41	15.00	4.33	1.35	2.52
12.45	3.52	0.86	17.55	15.05	4.34	1.36	2.47
12.50	3.57	0.89	15.94	15.10	4.34	1.36	2.41
12.55	3.60	0.91	14.90	15.15	4.35	1.37	2.36
12.60	3.64	0.93	13.22	15.20	4.36	1.37	2.32
12.65	3.67	0.95	11.34	15.25	4.36	1.38	2.29
12.70	3.70	0.96	10.17	15.30	4.37	1.38	2.27
12.75	3.73	0.98	9.52	15.35	4.38	1.38	2.26
12.80	3.76	1.00	9.04	15.40	4.39	1.39	2.24
12.85	3.78	1.01	8.64	15.45	4.39	1.39	2.23
12.90	3.81	1.03	8.25	15.50	4.40	1.40	2.22
12.95	3.83	1.04	7.89	15.55	4.41	1.40	2.20

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.41	2.19	18.20	4.68	1.59	1.38
15.65	4.42	1.41	2.17	18.25	4.69	1.59	1.38
15.70	4.42	1.41	2.16	18.30	4.69	1.59	1.37
15.75	4.43	1.42	2.14	18.35	4.70	1.59	1.37
15.80	4.44	1.42	2.12	18.40	4.70	1.60	1.36
15.85	4.44	1.43	2.11	18.45	4.70	1.60	1.36
15.90	4.45	1.43	2.10	18.50	4.71	1.60	1.36
15.95	4.46	1.44	2.08	18.55	4.71	1.61	1.35
16.00	4.46	1.44	2.07	18.60	4.72	1.61	1.35
16.05	4.47	1.44	2.05	18.65	4.72	1.61	1.34
16.10	4.47	1.45	2.04	18.70	4.72	1.61	1.34
16.15	4.48	1.45	2.02	18.75	4.73	1.62	1.34
16.20	4.49	1.46	2.01	18.80	4.73	1.62	1.33
16.25	4.49	1.46	2.00	18.85	4.74	1.62	1.33
16.30	4.50	1.46	1.98	18.90	4.74	1.62	1.33
16.35	4.50	1.47	1.96	18.95	4.74	1.63	1.32
16.40	4.51	1.47	1.95	19.00	4.75	1.63	1.32
16.45	4.52	1.47	1.93	19.05	4.75	1.63	1.32
16.50	4.52	1.48	1.92	19.10	4.76	1.63	1.31
16.55	4.53	1.48	1.90	19.15	4.76	1.64	1.31
16.60	4.53	1.49	1.88	19.20	4.76	1.64	1.30
16.65	4.54	1.49	1.87	19.25	4.77	1.64	1.30
16.70	4.54	1.49	1.86	19.30	4.77	1.64	1.30
16.75	4.55	1.50	1.84	19.35	4.77	1.65	1.29
16.80	4.55	1.50	1.82	19.40	4.78	1.65	1.29
16.85	4.56	1.50	1.80	19.45	4.78	1.65	1.28
16.90	4.57	1.51	1.79	19.50	4.79	1.66	1.28
16.95	4.57	1.51	1.78	19.55	4.79	1.66	1.28
17.00	4.58	1.51	1.76	19.60	4.79	1.66	1.27
17.05	4.58	1.52	1.75	19.65	4.80	1.66	1.27
17.10	4.59	1.52	1.73	19.70	4.80	1.67	1.27
17.15	4.59	1.52	1.72	19.75	4.80	1.67	1.26
17.20	4.60	1.53	1.70	19.80	4.81	1.67	1.26
17.25	4.60	1.53	1.68	19.85	4.81	1.67	1.26
17.30	4.61	1.53	1.66	19.90	4.81	1.68	1.25
17.35	4.61	1.54	1.65	19.95	4.82	1.68	1.25
17.40	4.61	1.54	1.63	20.00	4.82	1.68	1.24
17.45	4.62	1.54	1.62	20.05	4.83	1.68	1.24
17.50	4.62	1.55	1.60	20.10	4.83	1.68	1.24
17.55	4.63	1.55	1.59	20.15	4.83	1.69	1.23
17.60	4.63	1.55	1.57	20.20	4.84	1.69	1.23
17.65	4.64	1.56	1.55	20.25	4.84	1.69	1.22
17.70	4.64	1.56	1.54	20.30	4.84	1.69	1.22
17.75	4.65	1.56	1.52	20.35	4.85	1.70	1.22
17.80	4.65	1.56	1.51	20.40	4.85	1.70	1.21
17.85	4.66	1.57	1.49	20.45	4.85	1.70	1.21
17.90	4.66	1.57	1.47	20.50	4.86	1.70	1.20
17.95	4.66	1.57	1.46	20.55	4.86	1.71	1.20
18.00	4.67	1.58	1.44	20.60	4.86	1.71	1.20
18.05	4.67	1.58	1.42	20.65	4.87	1.71	1.20
18.10	4.68	1.58	1.41	20.70	4.87	1.71	1.19
18.15	4.68	1.58	1.39	20.75	4.87	1.72	1.19

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.72	1.18	23.40	5.04	1.83	0.97
20.85	4.88	1.72	1.18	23.45	5.04	1.83	0.97
20.90	4.88	1.72	1.17	23.50	5.04	1.83	0.96
20.95	4.89	1.73	1.17	23.55	5.04	1.83	0.96
21.00	4.89	1.73	1.16	23.60	5.05	1.84	0.95
21.05	4.89	1.73	1.16	23.65	5.05	1.84	0.95
21.10	4.90	1.73	1.16	23.70	5.05	1.84	0.95
21.15	4.90	1.73	1.15	23.75	5.06	1.84	0.94
21.20	4.90	1.74	1.15	23.80	5.06	1.84	0.94
21.25	4.91	1.74	1.14	23.85	5.06	1.85	0.93
21.30	4.91	1.74	1.14	23.90	5.06	1.85	0.93
21.35	4.91	1.74	1.14	23.95	5.07	1.85	0.93
21.40	4.92	1.75	1.14	24.00	5.07	1.85	0.99
21.45	4.92	1.75	1.13	24.05	5.07	1.85	1.01
21.50	4.92	1.75	1.12	24.10	5.07	1.85	0.75
21.55	4.93	1.75	1.12	24.15	5.07	1.85	0.39
21.60	4.93	1.75	1.12	24.20	5.07	1.85	0.17
21.65	4.93	1.76	1.11	24.25	5.07	1.85	0.07
21.70	4.94	1.76	1.11	24.30	5.07	1.85	0.03
21.75	4.94	1.76	1.10	24.35	5.07	1.85	0.01
21.80	4.94	1.76	1.10	24.40	5.07	1.85	0.01
21.85	4.95	1.77	1.10	24.45	5.07	1.85	0.00
21.90	4.95	1.77	1.10	24.50	5.07	1.85	0.00
21.95	4.95	1.77	1.09	24.55	5.07	1.85	0.00
22.00	4.96	1.77	1.08	24.60	5.07	1.85	0.00
22.05	4.96	1.77	1.08	24.65	5.07	1.85	0.00
22.10	4.96	1.78	1.08	24.70	5.07	1.85	0.00
22.15	4.96	1.78	1.07	24.75	5.07	1.85	0.00
22.20	4.97	1.78	1.07	24.80	5.07	1.85	0.00
22.25	4.97	1.78	1.07	24.85	5.07	1.85	0.00
22.30	4.97	1.78	1.06	24.90	5.07	1.85	0.00
22.35	4.98	1.79	1.06	24.95	5.07	1.85	0.00
22.40	4.98	1.79	1.05	25.00	5.07	1.85	0.00
22.45	4.98	1.79	1.05	25.05	5.07	1.85	0.00
22.50	4.99	1.79	1.04	25.10	5.07	1.85	0.00
22.55	4.99	1.80	1.04	25.15	5.07	1.85	0.00
22.60	4.99	1.80	1.04	25.20	5.07	1.85	0.00
22.65	4.99	1.80	1.04	25.25	5.07	1.85	0.00
22.70	5.00	1.80	1.03	25.30	5.07	1.85	0.00
22.75	5.00	1.80	1.02	25.35	5.07	1.85	0.00
22.80	5.00	1.81	1.02	25.40	5.07	1.85	0.00
22.85	5.01	1.81	1.01	25.45	5.07	1.85	0.00
22.90	5.01	1.81	1.01	25.50	5.07	1.85	0.00
22.95	5.01	1.81	1.01	25.55	5.07	1.85	0.00
23.00	5.01	1.81	1.00	25.60	5.07	1.85	0.00
23.05	5.02	1.82	1.00	25.65	5.07	1.85	0.00
23.10	5.02	1.82	1.00	25.70	5.07	1.85	0.00
23.15	5.02	1.82	0.99	25.75	5.07	1.85	0.00
23.20	5.03	1.82	0.99	25.80	5.07	1.85	0.00
23.25	5.03	1.82	0.98	25.85	5.07	1.85	0.00
23.30	5.03	1.82	0.98	25.90	5.07	1.85	0.00
23.35	5.03	1.83	0.97	25.95	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.85	0.00	28.60	5.07	1.85	0.00
26.05	5.07	1.85	0.00	28.65	5.07	1.85	0.00
26.10	5.07	1.85	0.00	28.70	5.07	1.85	0.00
26.15	5.07	1.85	0.00	28.75	5.07	1.85	0.00
26.20	5.07	1.85	0.00	28.80	5.07	1.85	0.00
26.25	5.07	1.85	0.00	28.85	5.07	1.85	0.00
26.30	5.07	1.85	0.00	28.90	5.07	1.85	0.00
26.35	5.07	1.85	0.00	28.95	5.07	1.85	0.00
26.40	5.07	1.85	0.00	29.00	5.07	1.85	0.00
26.45	5.07	1.85	0.00	29.05	5.07	1.85	0.00
26.50	5.07	1.85	0.00	29.10	5.07	1.85	0.00
26.55	5.07	1.85	0.00	29.15	5.07	1.85	0.00
26.60	5.07	1.85	0.00	29.20	5.07	1.85	0.00
26.65	5.07	1.85	0.00	29.25	5.07	1.85	0.00
26.70	5.07	1.85	0.00	29.30	5.07	1.85	0.00
26.75	5.07	1.85	0.00	29.35	5.07	1.85	0.00
26.80	5.07	1.85	0.00	29.40	5.07	1.85	0.00
26.85	5.07	1.85	0.00	29.45	5.07	1.85	0.00
26.90	5.07	1.85	0.00	29.50	5.07	1.85	0.00
26.95	5.07	1.85	0.00	29.55	5.07	1.85	0.00
27.00	5.07	1.85	0.00	29.60	5.07	1.85	0.00
27.05	5.07	1.85	0.00	29.65	5.07	1.85	0.00
27.10	5.07	1.85	0.00	29.70	5.07	1.85	0.00
27.15	5.07	1.85	0.00	29.75	5.07	1.85	0.00
27.20	5.07	1.85	0.00	29.80	5.07	1.85	0.00
27.25	5.07	1.85	0.00	29.85	5.07	1.85	0.00
27.30	5.07	1.85	0.00	29.90	5.07	1.85	0.00
27.35	5.07	1.85	0.00	29.95	5.07	1.85	0.00
27.40	5.07	1.85	0.00	30.00	5.07	1.85	0.00
27.45	5.07	1.85	0.00	30.05	5.07	1.85	0.00
27.50	5.07	1.85	0.00	30.10	5.07	1.85	0.00
27.55	5.07	1.85	0.00	30.15	5.07	1.85	0.00
27.60	5.07	1.85	0.00	30.20	5.07	1.85	0.00
27.65	5.07	1.85	0.00	30.25	5.07	1.85	0.00
27.70	5.07	1.85	0.00	30.30	5.07	1.85	0.00
27.75	5.07	1.85	0.00	30.35	5.07	1.85	0.00
27.80	5.07	1.85	0.00	30.40	5.07	1.85	0.00
27.85	5.07	1.85	0.00	30.45	5.07	1.85	0.00
27.90	5.07	1.85	0.00	30.50	5.07	1.85	0.00
27.95	5.07	1.85	0.00	30.55	5.07	1.85	0.00
28.00	5.07	1.85	0.00	30.60	5.07	1.85	0.00
28.05	5.07	1.85	0.00	30.65	5.07	1.85	0.00
28.10	5.07	1.85	0.00	30.70	5.07	1.85	0.00
28.15	5.07	1.85	0.00	30.75	5.07	1.85	0.00
28.20	5.07	1.85	0.00	30.80	5.07	1.85	0.00
28.25	5.07	1.85	0.00	30.85	5.07	1.85	0.00
28.30	5.07	1.85	0.00	30.90	5.07	1.85	0.00
28.35	5.07	1.85	0.00	30.95	5.07	1.85	0.00
28.40	5.07	1.85	0.00	31.00	5.07	1.85	0.00
28.45	5.07	1.85	0.00	31.05	5.07	1.85	0.00
28.50	5.07	1.85	0.00	31.10	5.07	1.85	0.00
28.55	5.07	1.85	0.00	31.15	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.85	0.00	33.80	5.07	1.85	0.00
31.25	5.07	1.85	0.00	33.85	5.07	1.85	0.00
31.30	5.07	1.85	0.00	33.90	5.07	1.85	0.00
31.35	5.07	1.85	0.00	33.95	5.07	1.85	0.00
31.40	5.07	1.85	0.00	34.00	5.07	1.85	0.00
31.45	5.07	1.85	0.00	34.05	5.07	1.85	0.00
31.50	5.07	1.85	0.00	34.10	5.07	1.85	0.00
31.55	5.07	1.85	0.00	34.15	5.07	1.85	0.00
31.60	5.07	1.85	0.00	34.20	5.07	1.85	0.00
31.65	5.07	1.85	0.00	34.25	5.07	1.85	0.00
31.70	5.07	1.85	0.00	34.30	5.07	1.85	0.00
31.75	5.07	1.85	0.00	34.35	5.07	1.85	0.00
31.80	5.07	1.85	0.00	34.40	5.07	1.85	0.00
31.85	5.07	1.85	0.00	34.45	5.07	1.85	0.00
31.90	5.07	1.85	0.00	34.50	5.07	1.85	0.00
31.95	5.07	1.85	0.00	34.55	5.07	1.85	0.00
32.00	5.07	1.85	0.00	34.60	5.07	1.85	0.00
32.05	5.07	1.85	0.00	34.65	5.07	1.85	0.00
32.10	5.07	1.85	0.00	34.70	5.07	1.85	0.00
32.15	5.07	1.85	0.00	34.75	5.07	1.85	0.00
32.20	5.07	1.85	0.00	34.80	5.07	1.85	0.00
32.25	5.07	1.85	0.00	34.85	5.07	1.85	0.00
32.30	5.07	1.85	0.00	34.90	5.07	1.85	0.00
32.35	5.07	1.85	0.00	34.95	5.07	1.85	0.00
32.40	5.07	1.85	0.00	35.00	5.07	1.85	0.00
32.45	5.07	1.85	0.00	35.05	5.07	1.85	0.00
32.50	5.07	1.85	0.00	35.10	5.07	1.85	0.00
32.55	5.07	1.85	0.00	35.15	5.07	1.85	0.00
32.60	5.07	1.85	0.00	35.20	5.07	1.85	0.00
32.65	5.07	1.85	0.00	35.25	5.07	1.85	0.00
32.70	5.07	1.85	0.00	35.30	5.07	1.85	0.00
32.75	5.07	1.85	0.00	35.35	5.07	1.85	0.00
32.80	5.07	1.85	0.00	35.40	5.07	1.85	0.00
32.85	5.07	1.85	0.00	35.45	5.07	1.85	0.00
32.90	5.07	1.85	0.00	35.50	5.07	1.85	0.00
32.95	5.07	1.85	0.00	35.55	5.07	1.85	0.00
33.00	5.07	1.85	0.00	35.60	5.07	1.85	0.00
33.05	5.07	1.85	0.00	35.65	5.07	1.85	0.00
33.10	5.07	1.85	0.00	35.70	5.07	1.85	0.00
33.15	5.07	1.85	0.00	35.75	5.07	1.85	0.00
33.20	5.07	1.85	0.00	35.80	5.07	1.85	0.00
33.25	5.07	1.85	0.00	35.85	5.07	1.85	0.00
33.30	5.07	1.85	0.00	35.90	5.07	1.85	0.00
33.35	5.07	1.85	0.00	35.95	5.07	1.85	0.00
33.40	5.07	1.85	0.00	36.00	5.07	1.85	0.00
33.45	5.07	1.85	0.00	36.05	5.07	1.85	0.00
33.50	5.07	1.85	0.00	36.10	5.07	1.85	0.00
33.55	5.07	1.85	0.00	36.15	5.07	1.85	0.00
33.60	5.07	1.85	0.00	36.20	5.07	1.85	0.00
33.65	5.07	1.85	0.00	36.25	5.07	1.85	0.00
33.70	5.07	1.85	0.00	36.30	5.07	1.85	0.00
33.75	5.07	1.85	0.00	36.35	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.85	0.00	39.00	5.07	1.85	0.00
36.45	5.07	1.85	0.00	39.05	5.07	1.85	0.00
36.50	5.07	1.85	0.00	39.10	5.07	1.85	0.00
36.55	5.07	1.85	0.00	39.15	5.07	1.85	0.00
36.60	5.07	1.85	0.00	39.20	5.07	1.85	0.00
36.65	5.07	1.85	0.00	39.25	5.07	1.85	0.00
36.70	5.07	1.85	0.00	39.30	5.07	1.85	0.00
36.75	5.07	1.85	0.00	39.35	5.07	1.85	0.00
36.80	5.07	1.85	0.00	39.40	5.07	1.85	0.00
36.85	5.07	1.85	0.00	39.45	5.07	1.85	0.00
36.90	5.07	1.85	0.00	39.50	5.07	1.85	0.00
36.95	5.07	1.85	0.00	39.55	5.07	1.85	0.00
37.00	5.07	1.85	0.00	39.60	5.07	1.85	0.00
37.05	5.07	1.85	0.00	39.65	5.07	1.85	0.00
37.10	5.07	1.85	0.00	39.70	5.07	1.85	0.00
37.15	5.07	1.85	0.00	39.75	5.07	1.85	0.00
37.20	5.07	1.85	0.00	39.80	5.07	1.85	0.00
37.25	5.07	1.85	0.00	39.85	5.07	1.85	0.00
37.30	5.07	1.85	0.00	39.90	5.07	1.85	0.00
37.35	5.07	1.85	0.00	39.95	5.07	1.85	0.00
37.40	5.07	1.85	0.00	40.00	5.07	1.85	0.00
37.45	5.07	1.85	0.00				
37.50	5.07	1.85	0.00				
37.55	5.07	1.85	0.00				
37.60	5.07	1.85	0.00				
37.65	5.07	1.85	0.00				
37.70	5.07	1.85	0.00				
37.75	5.07	1.85	0.00				
37.80	5.07	1.85	0.00				
37.85	5.07	1.85	0.00				
37.90	5.07	1.85	0.00				
37.95	5.07	1.85	0.00				
38.00	5.07	1.85	0.00				
38.05	5.07	1.85	0.00				
38.10	5.07	1.85	0.00				
38.15	5.07	1.85	0.00				
38.20	5.07	1.85	0.00				
38.25	5.07	1.85	0.00				
38.30	5.07	1.85	0.00				
38.35	5.07	1.85	0.00				
38.40	5.07	1.85	0.00				
38.45	5.07	1.85	0.00				
38.50	5.07	1.85	0.00				
38.55	5.07	1.85	0.00				
38.60	5.07	1.85	0.00				
38.65	5.07	1.85	0.00				
38.70	5.07	1.85	0.00				
38.75	5.07	1.85	0.00				
38.80	5.07	1.85	0.00				
38.85	5.07	1.85	0.00				
38.90	5.07	1.85	0.00				
38.95	5.07	1.85	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

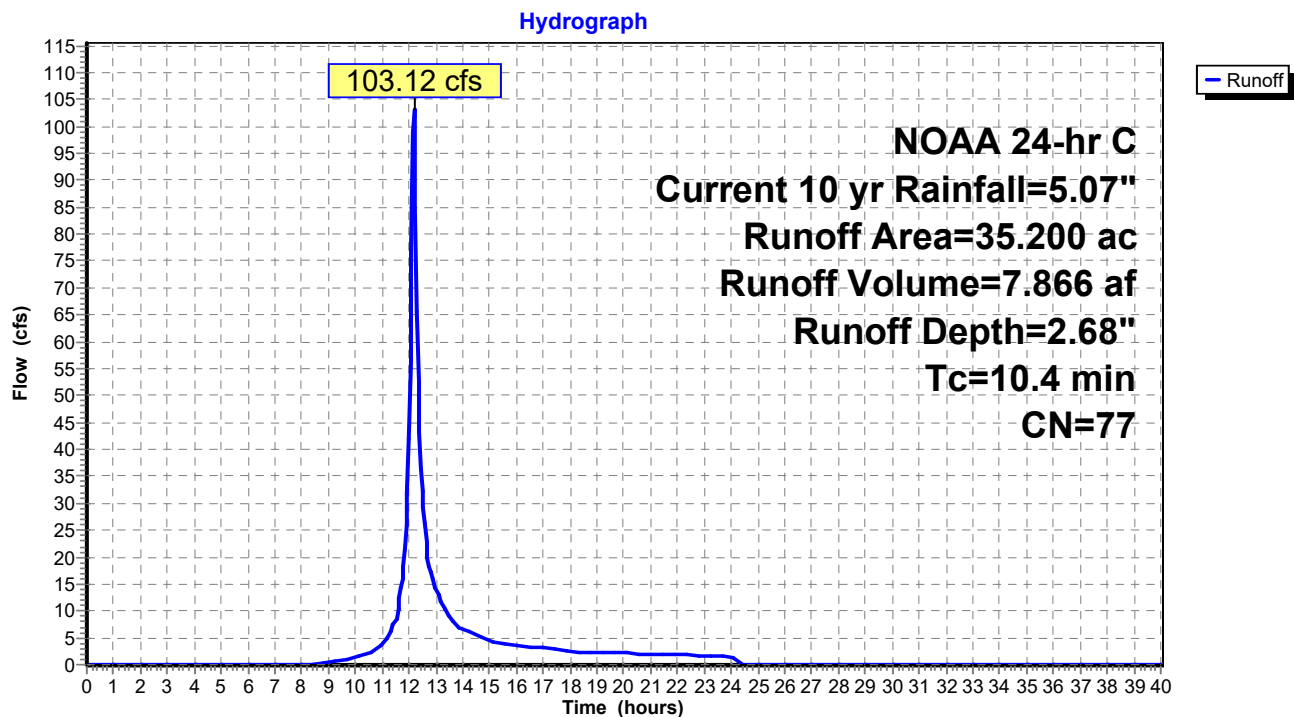
Runoff = 103.12 cfs @ 12.18 hrs, Volume= 7.866 af, Depth= 2.68"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.01
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.02
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.03
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.05
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.06
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.08
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.10
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.12
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.14
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.16
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.18
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.20
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.22
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.24
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.26
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.29
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.31
6.30	0.43	0.00	0.00	8.90	0.73	0.01	0.33
6.35	0.43	0.00	0.00	8.95	0.73	0.01	0.35
6.40	0.44	0.00	0.00	9.00	0.74	0.01	0.38
6.45	0.44	0.00	0.00	9.05	0.75	0.01	0.40
6.50	0.45	0.00	0.00	9.10	0.76	0.01	0.43
6.55	0.45	0.00	0.00	9.15	0.76	0.01	0.46
6.60	0.46	0.00	0.00	9.20	0.77	0.01	0.49
6.65	0.46	0.00	0.00	9.25	0.78	0.01	0.53
6.70	0.46	0.00	0.00	9.30	0.79	0.01	0.57
6.75	0.47	0.00	0.00	9.35	0.80	0.01	0.61
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.65
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.69
6.90	0.48	0.00	0.00	9.50	0.82	0.02	0.73
6.95	0.49	0.00	0.00	9.55	0.83	0.02	0.78
7.00	0.49	0.00	0.00	9.60	0.84	0.02	0.83
7.05	0.50	0.00	0.00	9.65	0.85	0.02	0.88
7.10	0.50	0.00	0.00	9.70	0.86	0.02	0.93
7.15	0.51	0.00	0.00	9.75	0.87	0.02	0.98
7.20	0.52	0.00	0.00	9.80	0.88	0.02	1.03
7.25	0.52	0.00	0.00	9.85	0.89	0.03	1.09
7.30	0.53	0.00	0.00	9.90	0.90	0.03	1.15
7.35	0.53	0.00	0.00	9.95	0.91	0.03	1.21
7.40	0.54	0.00	0.00	10.00	0.92	0.03	1.27
7.45	0.54	0.00	0.00	10.05	0.94	0.03	1.33
7.50	0.55	0.00	0.00	10.10	0.95	0.04	1.40
7.55	0.55	0.00	0.00	10.15	0.96	0.04	1.46
7.60	0.56	0.00	0.00	10.20	0.97	0.04	1.53
7.65	0.57	0.00	0.00	10.25	0.98	0.04	1.61
7.70	0.57	0.00	0.00	10.30	0.99	0.05	1.68
7.75	0.58	0.00	0.00	10.35	1.01	0.05	1.75

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.05	1.83	13.00	3.85	1.70	14.04
10.45	1.03	0.06	1.90	13.05	3.87	1.71	13.32
10.50	1.04	0.06	1.98	13.10	3.89	1.73	12.61
10.55	1.06	0.06	2.07	13.15	3.91	1.74	11.92
10.60	1.07	0.07	2.19	13.20	3.93	1.76	11.32
10.65	1.09	0.07	2.34	13.25	3.95	1.77	10.83
10.70	1.10	0.07	2.51	13.30	3.97	1.78	10.39
10.75	1.12	0.08	2.70	13.35	3.98	1.80	9.98
10.80	1.14	0.08	2.90	13.40	4.00	1.81	9.58
10.85	1.16	0.09	3.11	13.45	4.01	1.82	9.18
10.90	1.18	0.09	3.34	13.50	4.03	1.83	8.79
10.95	1.20	0.10	3.57	13.55	4.04	1.84	8.40
11.00	1.22	0.11	3.81	13.60	4.05	1.85	8.01
11.05	1.24	0.11	4.07	13.65	4.06	1.86	7.63
11.10	1.26	0.12	4.38	13.70	4.08	1.87	7.34
11.15	1.29	0.13	4.76	13.75	4.09	1.88	7.15
11.20	1.31	0.14	5.18	13.80	4.10	1.89	7.00
11.25	1.34	0.15	5.62	13.85	4.11	1.90	6.87
11.30	1.37	0.16	6.10	13.90	4.12	1.91	6.76
11.35	1.40	0.17	6.59	13.95	4.13	1.92	6.66
11.40	1.43	0.18	7.12	14.00	4.15	1.93	6.56
11.45	1.47	0.20	7.66	14.05	4.16	1.94	6.46
11.50	1.50	0.21	8.21	14.10	4.17	1.94	6.35
11.55	1.55	0.23	8.89	14.15	4.18	1.95	6.25
11.60	1.60	0.25	10.30	14.20	4.19	1.96	6.15
11.65	1.65	0.28	12.37	14.25	4.20	1.97	6.05
11.70	1.71	0.30	14.28	14.30	4.21	1.98	5.95
11.75	1.78	0.34	15.93	14.35	4.22	1.98	5.85
11.80	1.86	0.37	18.25	14.40	4.23	1.99	5.74
11.85	1.96	0.43	21.56	14.45	4.24	2.00	5.64
11.90	2.06	0.48	26.05	14.50	4.25	2.01	5.54
11.95	2.24	0.58	32.05	14.55	4.26	2.01	5.44
12.00	2.42	0.69	41.87	14.60	4.27	2.02	5.33
12.05	2.71	0.88	56.27	14.65	4.27	2.03	5.23
12.10	3.01	1.08	77.05	14.70	4.28	2.04	5.12
12.15	3.11	1.15	98.90	14.75	4.29	2.04	5.02
12.20	3.21	1.22	101.89	14.80	4.30	2.05	4.92
12.25	3.29	1.27	84.80	14.85	4.31	2.05	4.81
12.30	3.36	1.33	65.87	14.90	4.31	2.06	4.71
12.35	3.42	1.37	52.74	14.95	4.32	2.07	4.60
12.40	3.47	1.41	43.41	15.00	4.33	2.07	4.49
12.45	3.52	1.45	36.60	15.05	4.34	2.08	4.39
12.50	3.57	1.48	32.15	15.10	4.34	2.08	4.28
12.55	3.60	1.51	29.39	15.15	4.35	2.09	4.19
12.60	3.64	1.53	26.34	15.20	4.36	2.10	4.11
12.65	3.67	1.56	22.74	15.25	4.36	2.10	4.05
12.70	3.70	1.58	19.97	15.30	4.37	2.11	4.01
12.75	3.73	1.60	18.32	15.35	4.38	2.11	3.98
12.80	3.76	1.62	17.20	15.40	4.39	2.12	3.95
12.85	3.78	1.64	16.31	15.45	4.39	2.12	3.92
12.90	3.81	1.66	15.51	15.50	4.40	2.13	3.90
12.95	3.83	1.68	14.77	15.55	4.41	2.13	3.87

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	2.14	3.84	18.20	4.68	2.36	2.39
15.65	4.42	2.14	3.82	18.25	4.69	2.36	2.38
15.70	4.42	2.15	3.79	18.30	4.69	2.37	2.37
15.75	4.43	2.15	3.76	18.35	4.70	2.37	2.36
15.80	4.44	2.16	3.73	18.40	4.70	2.37	2.35
15.85	4.44	2.17	3.70	18.45	4.70	2.38	2.35
15.90	4.45	2.17	3.67	18.50	4.71	2.38	2.34
15.95	4.46	2.18	3.65	18.55	4.71	2.38	2.33
16.00	4.46	2.18	3.62	18.60	4.72	2.39	2.33
16.05	4.47	2.19	3.59	18.65	4.72	2.39	2.32
16.10	4.47	2.19	3.57	18.70	4.72	2.39	2.31
16.15	4.48	2.20	3.54	18.75	4.73	2.40	2.31
16.20	4.49	2.20	3.52	18.80	4.73	2.40	2.30
16.25	4.49	2.20	3.49	18.85	4.74	2.40	2.29
16.30	4.50	2.21	3.46	18.90	4.74	2.41	2.28
16.35	4.50	2.21	3.43	18.95	4.74	2.41	2.28
16.40	4.51	2.22	3.40	19.00	4.75	2.41	2.27
16.45	4.52	2.22	3.38	19.05	4.75	2.42	2.26
16.50	4.52	2.23	3.35	19.10	4.76	2.42	2.26
16.55	4.53	2.23	3.32	19.15	4.76	2.42	2.25
16.60	4.53	2.24	3.29	19.20	4.76	2.43	2.24
16.65	4.54	2.24	3.26	19.25	4.77	2.43	2.24
16.70	4.54	2.25	3.24	19.30	4.77	2.43	2.23
16.75	4.55	2.25	3.21	19.35	4.77	2.44	2.22
16.80	4.55	2.25	3.18	19.40	4.78	2.44	2.22
16.85	4.56	2.26	3.15	19.45	4.78	2.44	2.21
16.90	4.57	2.26	3.12	19.50	4.79	2.44	2.20
16.95	4.57	2.27	3.10	19.55	4.79	2.45	2.19
17.00	4.58	2.27	3.07	19.60	4.79	2.45	2.19
17.05	4.58	2.28	3.04	19.65	4.80	2.45	2.18
17.10	4.59	2.28	3.01	19.70	4.80	2.46	2.17
17.15	4.59	2.28	2.99	19.75	4.80	2.46	2.17
17.20	4.60	2.29	2.96	19.80	4.81	2.46	2.16
17.25	4.60	2.29	2.93	19.85	4.81	2.47	2.16
17.30	4.61	2.30	2.90	19.90	4.81	2.47	2.15
17.35	4.61	2.30	2.87	19.95	4.82	2.47	2.14
17.40	4.61	2.30	2.84	20.00	4.82	2.47	2.13
17.45	4.62	2.31	2.81	20.05	4.83	2.48	2.13
17.50	4.62	2.31	2.79	20.10	4.83	2.48	2.12
17.55	4.63	2.32	2.76	20.15	4.83	2.48	2.11
17.60	4.63	2.32	2.73	20.20	4.84	2.49	2.10
17.65	4.64	2.32	2.70	20.25	4.84	2.49	2.10
17.70	4.64	2.33	2.67	20.30	4.84	2.49	2.09
17.75	4.65	2.33	2.64	20.35	4.85	2.50	2.08
17.80	4.65	2.33	2.62	20.40	4.85	2.50	2.08
17.85	4.66	2.34	2.59	20.45	4.85	2.50	2.07
17.90	4.66	2.34	2.56	20.50	4.86	2.50	2.06
17.95	4.66	2.34	2.53	20.55	4.86	2.51	2.06
18.00	4.67	2.35	2.50	20.60	4.86	2.51	2.05
18.05	4.67	2.35	2.47	20.65	4.87	2.51	2.05
18.10	4.68	2.35	2.44	20.70	4.87	2.52	2.04
18.15	4.68	2.36	2.42	20.75	4.87	2.52	2.03

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.52	2.02	23.40	5.04	2.65	1.65
20.85	4.88	2.52	2.01	23.45	5.04	2.66	1.65
20.90	4.88	2.53	2.01	23.50	5.04	2.66	1.64
20.95	4.89	2.53	2.00	23.55	5.04	2.66	1.63
21.00	4.89	2.53	1.99	23.60	5.05	2.66	1.62
21.05	4.89	2.53	1.98	23.65	5.05	2.67	1.61
21.10	4.90	2.54	1.98	23.70	5.05	2.67	1.61
21.15	4.90	2.54	1.97	23.75	5.06	2.67	1.60
21.20	4.90	2.54	1.96	23.80	5.06	2.67	1.59
21.25	4.91	2.55	1.96	23.85	5.06	2.67	1.58
21.30	4.91	2.55	1.95	23.90	5.06	2.68	1.57
21.35	4.91	2.55	1.95	23.95	5.07	2.68	1.58
21.40	4.92	2.55	1.94	24.00	5.07	2.68	1.64
21.45	4.92	2.56	1.93	24.05	5.07	2.68	1.69
21.50	4.92	2.56	1.92	24.10	5.07	2.68	1.43
21.55	4.93	2.56	1.91	24.15	5.07	2.68	0.89
21.60	4.93	2.56	1.91	24.20	5.07	2.68	0.45
21.65	4.93	2.57	1.90	24.25	5.07	2.68	0.22
21.70	4.94	2.57	1.89	24.30	5.07	2.68	0.11
21.75	4.94	2.57	1.88	24.35	5.07	2.68	0.05
21.80	4.94	2.58	1.88	24.40	5.07	2.68	0.03
21.85	4.95	2.58	1.88	24.45	5.07	2.68	0.01
21.90	4.95	2.58	1.87	24.50	5.07	2.68	0.00
21.95	4.95	2.58	1.86	24.55	5.07	2.68	0.00
22.00	4.96	2.59	1.85	24.60	5.07	2.68	0.00
22.05	4.96	2.59	1.84	24.65	5.07	2.68	0.00
22.10	4.96	2.59	1.83	24.70	5.07	2.68	0.00
22.15	4.96	2.59	1.83	24.75	5.07	2.68	0.00
22.20	4.97	2.60	1.82	24.80	5.07	2.68	0.00
22.25	4.97	2.60	1.82	24.85	5.07	2.68	0.00
22.30	4.97	2.60	1.81	24.90	5.07	2.68	0.00
22.35	4.98	2.60	1.80	24.95	5.07	2.68	0.00
22.40	4.98	2.61	1.79	25.00	5.07	2.68	0.00
22.45	4.98	2.61	1.78	25.05	5.07	2.68	0.00
22.50	4.99	2.61	1.78	25.10	5.07	2.68	0.00
22.55	4.99	2.61	1.77	25.15	5.07	2.68	0.00
22.60	4.99	2.62	1.76	25.20	5.07	2.68	0.00
22.65	4.99	2.62	1.76	25.25	5.07	2.68	0.00
22.70	5.00	2.62	1.76	25.30	5.07	2.68	0.00
22.75	5.00	2.62	1.75	25.35	5.07	2.68	0.00
22.80	5.00	2.63	1.74	25.40	5.07	2.68	0.00
22.85	5.01	2.63	1.73	25.45	5.07	2.68	0.00
22.90	5.01	2.63	1.72	25.50	5.07	2.68	0.00
22.95	5.01	2.63	1.71	25.55	5.07	2.68	0.00
23.00	5.01	2.64	1.71	25.60	5.07	2.68	0.00
23.05	5.02	2.64	1.70	25.65	5.07	2.68	0.00
23.10	5.02	2.64	1.70	25.70	5.07	2.68	0.00
23.15	5.02	2.64	1.69	25.75	5.07	2.68	0.00
23.20	5.03	2.64	1.68	25.80	5.07	2.68	0.00
23.25	5.03	2.65	1.67	25.85	5.07	2.68	0.00
23.30	5.03	2.65	1.66	25.90	5.07	2.68	0.00
23.35	5.03	2.65	1.65	25.95	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.68	0.00	28.60	5.07	2.68	0.00
26.05	5.07	2.68	0.00	28.65	5.07	2.68	0.00
26.10	5.07	2.68	0.00	28.70	5.07	2.68	0.00
26.15	5.07	2.68	0.00	28.75	5.07	2.68	0.00
26.20	5.07	2.68	0.00	28.80	5.07	2.68	0.00
26.25	5.07	2.68	0.00	28.85	5.07	2.68	0.00
26.30	5.07	2.68	0.00	28.90	5.07	2.68	0.00
26.35	5.07	2.68	0.00	28.95	5.07	2.68	0.00
26.40	5.07	2.68	0.00	29.00	5.07	2.68	0.00
26.45	5.07	2.68	0.00	29.05	5.07	2.68	0.00
26.50	5.07	2.68	0.00	29.10	5.07	2.68	0.00
26.55	5.07	2.68	0.00	29.15	5.07	2.68	0.00
26.60	5.07	2.68	0.00	29.20	5.07	2.68	0.00
26.65	5.07	2.68	0.00	29.25	5.07	2.68	0.00
26.70	5.07	2.68	0.00	29.30	5.07	2.68	0.00
26.75	5.07	2.68	0.00	29.35	5.07	2.68	0.00
26.80	5.07	2.68	0.00	29.40	5.07	2.68	0.00
26.85	5.07	2.68	0.00	29.45	5.07	2.68	0.00
26.90	5.07	2.68	0.00	29.50	5.07	2.68	0.00
26.95	5.07	2.68	0.00	29.55	5.07	2.68	0.00
27.00	5.07	2.68	0.00	29.60	5.07	2.68	0.00
27.05	5.07	2.68	0.00	29.65	5.07	2.68	0.00
27.10	5.07	2.68	0.00	29.70	5.07	2.68	0.00
27.15	5.07	2.68	0.00	29.75	5.07	2.68	0.00
27.20	5.07	2.68	0.00	29.80	5.07	2.68	0.00
27.25	5.07	2.68	0.00	29.85	5.07	2.68	0.00
27.30	5.07	2.68	0.00	29.90	5.07	2.68	0.00
27.35	5.07	2.68	0.00	29.95	5.07	2.68	0.00
27.40	5.07	2.68	0.00	30.00	5.07	2.68	0.00
27.45	5.07	2.68	0.00	30.05	5.07	2.68	0.00
27.50	5.07	2.68	0.00	30.10	5.07	2.68	0.00
27.55	5.07	2.68	0.00	30.15	5.07	2.68	0.00
27.60	5.07	2.68	0.00	30.20	5.07	2.68	0.00
27.65	5.07	2.68	0.00	30.25	5.07	2.68	0.00
27.70	5.07	2.68	0.00	30.30	5.07	2.68	0.00
27.75	5.07	2.68	0.00	30.35	5.07	2.68	0.00
27.80	5.07	2.68	0.00	30.40	5.07	2.68	0.00
27.85	5.07	2.68	0.00	30.45	5.07	2.68	0.00
27.90	5.07	2.68	0.00	30.50	5.07	2.68	0.00
27.95	5.07	2.68	0.00	30.55	5.07	2.68	0.00
28.00	5.07	2.68	0.00	30.60	5.07	2.68	0.00
28.05	5.07	2.68	0.00	30.65	5.07	2.68	0.00
28.10	5.07	2.68	0.00	30.70	5.07	2.68	0.00
28.15	5.07	2.68	0.00	30.75	5.07	2.68	0.00
28.20	5.07	2.68	0.00	30.80	5.07	2.68	0.00
28.25	5.07	2.68	0.00	30.85	5.07	2.68	0.00
28.30	5.07	2.68	0.00	30.90	5.07	2.68	0.00
28.35	5.07	2.68	0.00	30.95	5.07	2.68	0.00
28.40	5.07	2.68	0.00	31.00	5.07	2.68	0.00
28.45	5.07	2.68	0.00	31.05	5.07	2.68	0.00
28.50	5.07	2.68	0.00	31.10	5.07	2.68	0.00
28.55	5.07	2.68	0.00	31.15	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.68	0.00	33.80	5.07	2.68	0.00
31.25	5.07	2.68	0.00	33.85	5.07	2.68	0.00
31.30	5.07	2.68	0.00	33.90	5.07	2.68	0.00
31.35	5.07	2.68	0.00	33.95	5.07	2.68	0.00
31.40	5.07	2.68	0.00	34.00	5.07	2.68	0.00
31.45	5.07	2.68	0.00	34.05	5.07	2.68	0.00
31.50	5.07	2.68	0.00	34.10	5.07	2.68	0.00
31.55	5.07	2.68	0.00	34.15	5.07	2.68	0.00
31.60	5.07	2.68	0.00	34.20	5.07	2.68	0.00
31.65	5.07	2.68	0.00	34.25	5.07	2.68	0.00
31.70	5.07	2.68	0.00	34.30	5.07	2.68	0.00
31.75	5.07	2.68	0.00	34.35	5.07	2.68	0.00
31.80	5.07	2.68	0.00	34.40	5.07	2.68	0.00
31.85	5.07	2.68	0.00	34.45	5.07	2.68	0.00
31.90	5.07	2.68	0.00	34.50	5.07	2.68	0.00
31.95	5.07	2.68	0.00	34.55	5.07	2.68	0.00
32.00	5.07	2.68	0.00	34.60	5.07	2.68	0.00
32.05	5.07	2.68	0.00	34.65	5.07	2.68	0.00
32.10	5.07	2.68	0.00	34.70	5.07	2.68	0.00
32.15	5.07	2.68	0.00	34.75	5.07	2.68	0.00
32.20	5.07	2.68	0.00	34.80	5.07	2.68	0.00
32.25	5.07	2.68	0.00	34.85	5.07	2.68	0.00
32.30	5.07	2.68	0.00	34.90	5.07	2.68	0.00
32.35	5.07	2.68	0.00	34.95	5.07	2.68	0.00
32.40	5.07	2.68	0.00	35.00	5.07	2.68	0.00
32.45	5.07	2.68	0.00	35.05	5.07	2.68	0.00
32.50	5.07	2.68	0.00	35.10	5.07	2.68	0.00
32.55	5.07	2.68	0.00	35.15	5.07	2.68	0.00
32.60	5.07	2.68	0.00	35.20	5.07	2.68	0.00
32.65	5.07	2.68	0.00	35.25	5.07	2.68	0.00
32.70	5.07	2.68	0.00	35.30	5.07	2.68	0.00
32.75	5.07	2.68	0.00	35.35	5.07	2.68	0.00
32.80	5.07	2.68	0.00	35.40	5.07	2.68	0.00
32.85	5.07	2.68	0.00	35.45	5.07	2.68	0.00
32.90	5.07	2.68	0.00	35.50	5.07	2.68	0.00
32.95	5.07	2.68	0.00	35.55	5.07	2.68	0.00
33.00	5.07	2.68	0.00	35.60	5.07	2.68	0.00
33.05	5.07	2.68	0.00	35.65	5.07	2.68	0.00
33.10	5.07	2.68	0.00	35.70	5.07	2.68	0.00
33.15	5.07	2.68	0.00	35.75	5.07	2.68	0.00
33.20	5.07	2.68	0.00	35.80	5.07	2.68	0.00
33.25	5.07	2.68	0.00	35.85	5.07	2.68	0.00
33.30	5.07	2.68	0.00	35.90	5.07	2.68	0.00
33.35	5.07	2.68	0.00	35.95	5.07	2.68	0.00
33.40	5.07	2.68	0.00	36.00	5.07	2.68	0.00
33.45	5.07	2.68	0.00	36.05	5.07	2.68	0.00
33.50	5.07	2.68	0.00	36.10	5.07	2.68	0.00
33.55	5.07	2.68	0.00	36.15	5.07	2.68	0.00
33.60	5.07	2.68	0.00	36.20	5.07	2.68	0.00
33.65	5.07	2.68	0.00	36.25	5.07	2.68	0.00
33.70	5.07	2.68	0.00	36.30	5.07	2.68	0.00
33.75	5.07	2.68	0.00	36.35	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.68	0.00	39.00	5.07	2.68	0.00
36.45	5.07	2.68	0.00	39.05	5.07	2.68	0.00
36.50	5.07	2.68	0.00	39.10	5.07	2.68	0.00
36.55	5.07	2.68	0.00	39.15	5.07	2.68	0.00
36.60	5.07	2.68	0.00	39.20	5.07	2.68	0.00
36.65	5.07	2.68	0.00	39.25	5.07	2.68	0.00
36.70	5.07	2.68	0.00	39.30	5.07	2.68	0.00
36.75	5.07	2.68	0.00	39.35	5.07	2.68	0.00
36.80	5.07	2.68	0.00	39.40	5.07	2.68	0.00
36.85	5.07	2.68	0.00	39.45	5.07	2.68	0.00
36.90	5.07	2.68	0.00	39.50	5.07	2.68	0.00
36.95	5.07	2.68	0.00	39.55	5.07	2.68	0.00
37.00	5.07	2.68	0.00	39.60	5.07	2.68	0.00
37.05	5.07	2.68	0.00	39.65	5.07	2.68	0.00
37.10	5.07	2.68	0.00	39.70	5.07	2.68	0.00
37.15	5.07	2.68	0.00	39.75	5.07	2.68	0.00
37.20	5.07	2.68	0.00	39.80	5.07	2.68	0.00
37.25	5.07	2.68	0.00	39.85	5.07	2.68	0.00
37.30	5.07	2.68	0.00	39.90	5.07	2.68	0.00
37.35	5.07	2.68	0.00	39.95	5.07	2.68	0.00
37.40	5.07	2.68	0.00	40.00	5.07	2.68	0.00
37.45	5.07	2.68	0.00				
37.50	5.07	2.68	0.00				
37.55	5.07	2.68	0.00				
37.60	5.07	2.68	0.00				
37.65	5.07	2.68	0.00				
37.70	5.07	2.68	0.00				
37.75	5.07	2.68	0.00				
37.80	5.07	2.68	0.00				
37.85	5.07	2.68	0.00				
37.90	5.07	2.68	0.00				
37.95	5.07	2.68	0.00				
38.00	5.07	2.68	0.00				
38.05	5.07	2.68	0.00				
38.10	5.07	2.68	0.00				
38.15	5.07	2.68	0.00				
38.20	5.07	2.68	0.00				
38.25	5.07	2.68	0.00				
38.30	5.07	2.68	0.00				
38.35	5.07	2.68	0.00				
38.40	5.07	2.68	0.00				
38.45	5.07	2.68	0.00				
38.50	5.07	2.68	0.00				
38.55	5.07	2.68	0.00				
38.60	5.07	2.68	0.00				
38.65	5.07	2.68	0.00				
38.70	5.07	2.68	0.00				
38.75	5.07	2.68	0.00				
38.80	5.07	2.68	0.00				
38.85	5.07	2.68	0.00				
38.90	5.07	2.68	0.00				
38.95	5.07	2.68	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 84.19 cfs @ 12.09 hrs, Volume= 4.782 af, Depth= 2.59"
Routed to Link XDA-3 : Existing Drainage Area #3

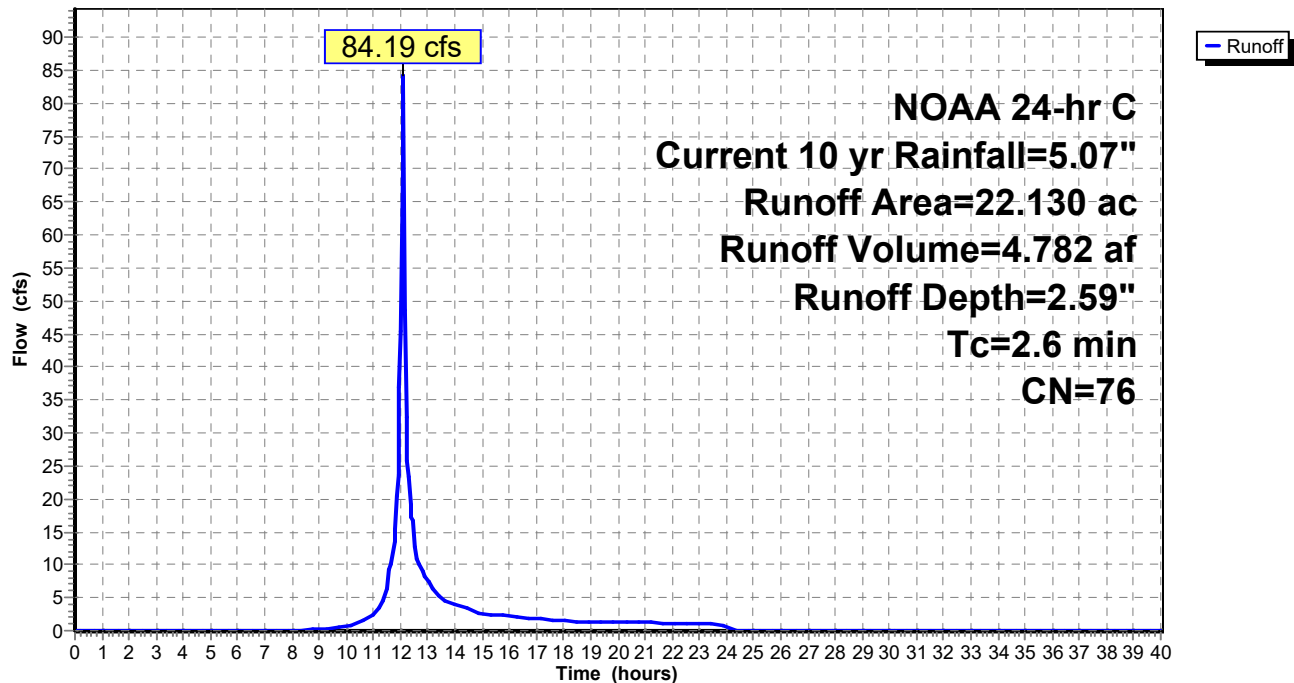
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.02
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.03
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.04
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.05
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.06
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.08
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.09
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.10
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.11
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.13
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.14
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.16
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.17
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.18
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.20
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.22
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.24
6.55	0.45	0.00	0.00	9.15	0.76	0.01	0.26
6.60	0.46	0.00	0.00	9.20	0.77	0.01	0.28
6.65	0.46	0.00	0.00	9.25	0.78	0.01	0.30
6.70	0.46	0.00	0.00	9.30	0.79	0.01	0.33
6.75	0.47	0.00	0.00	9.35	0.80	0.01	0.35
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.38
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.41
6.90	0.48	0.00	0.00	9.50	0.82	0.01	0.43
6.95	0.49	0.00	0.00	9.55	0.83	0.01	0.46
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.49
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.53
7.10	0.50	0.00	0.00	9.70	0.86	0.02	0.55
7.15	0.51	0.00	0.00	9.75	0.87	0.02	0.59
7.20	0.52	0.00	0.00	9.80	0.88	0.02	0.62
7.25	0.52	0.00	0.00	9.85	0.89	0.02	0.66
7.30	0.53	0.00	0.00	9.90	0.90	0.02	0.69
7.35	0.53	0.00	0.00	9.95	0.91	0.02	0.74
7.40	0.54	0.00	0.00	10.00	0.92	0.02	0.77
7.45	0.54	0.00	0.00	10.05	0.94	0.03	0.82
7.50	0.55	0.00	0.00	10.10	0.95	0.03	0.85
7.55	0.55	0.00	0.00	10.15	0.96	0.03	0.90
7.60	0.56	0.00	0.00	10.20	0.97	0.03	0.94
7.65	0.57	0.00	0.00	10.25	0.98	0.04	0.99
7.70	0.57	0.00	0.00	10.30	0.99	0.04	1.03
7.75	0.58	0.00	0.00	10.35	1.01	0.04	1.08

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.04	1.12	13.00	3.85	1.63	7.67
10.45	1.03	0.05	1.18	13.05	3.87	1.64	7.06
10.50	1.04	0.05	1.23	13.10	3.89	1.66	6.79
10.55	1.06	0.05	1.35	13.15	3.91	1.67	6.46
10.60	1.07	0.05	1.44	13.20	3.93	1.69	6.31
10.65	1.09	0.06	1.58	13.25	3.95	1.70	5.99
10.70	1.10	0.06	1.67	13.30	3.97	1.71	5.84
10.75	1.12	0.07	1.83	13.35	3.98	1.72	5.51
10.80	1.14	0.07	1.94	13.40	4.00	1.74	5.36
10.85	1.16	0.08	2.11	13.45	4.01	1.75	5.03
10.90	1.18	0.08	2.22	13.50	4.03	1.76	4.88
10.95	1.20	0.09	2.41	13.55	4.04	1.77	4.55
11.00	1.22	0.09	2.54	13.60	4.05	1.78	4.41
11.05	1.24	0.10	2.85	13.65	4.06	1.79	4.31
11.10	1.26	0.11	3.04	13.70	4.08	1.80	4.27
11.15	1.29	0.11	3.39	13.75	4.09	1.81	4.19
11.20	1.31	0.12	3.61	13.80	4.10	1.82	4.15
11.25	1.34	0.13	3.99	13.85	4.11	1.82	4.07
11.30	1.37	0.14	4.23	13.90	4.12	1.83	4.03
11.35	1.40	0.15	4.65	13.95	4.13	1.84	3.94
11.40	1.43	0.16	4.92	14.00	4.15	1.85	3.90
11.45	1.47	0.17	5.30	14.05	4.16	1.86	3.82
11.50	1.50	0.19	5.63	14.10	4.17	1.87	3.78
11.55	1.55	0.21	7.91	14.15	4.18	1.88	3.70
11.60	1.60	0.23	9.17	14.20	4.19	1.88	3.66
11.65	1.65	0.25	9.90	14.25	4.20	1.89	3.57
11.70	1.71	0.27	10.50	14.30	4.21	1.90	3.53
11.75	1.78	0.31	13.58	14.35	4.22	1.91	3.44
11.80	1.86	0.34	15.49	14.40	4.23	1.92	3.40
11.85	1.96	0.39	20.39	14.45	4.24	1.92	3.32
11.90	2.06	0.45	23.66	14.50	4.25	1.93	3.28
11.95	2.24	0.54	36.93	14.55	4.26	1.94	3.19
12.00	2.42	0.64	45.30	14.60	4.27	1.94	3.15
12.05	2.71	0.83	70.04	14.65	4.27	1.95	3.06
12.10	3.01	1.02	82.97	14.70	4.28	1.96	3.02
12.15	3.11	1.09	48.57	14.75	4.29	1.96	2.93
12.20	3.21	1.16	32.36	14.80	4.30	1.97	2.90
12.25	3.29	1.21	25.84	14.85	4.31	1.98	2.80
12.30	3.36	1.27	23.32	14.90	4.31	1.98	2.76
12.35	3.42	1.30	19.14	14.95	4.32	1.99	2.67
12.40	3.47	1.34	17.39	15.00	4.33	1.99	2.63
12.45	3.52	1.38	16.82	15.05	4.34	2.00	2.54
12.50	3.57	1.42	16.52	15.10	4.34	2.01	2.51
12.55	3.60	1.44	12.65	15.15	4.35	2.01	2.48
12.60	3.64	1.47	10.95	15.20	4.36	2.02	2.46
12.65	3.67	1.49	10.43	15.25	4.36	2.02	2.44
12.70	3.70	1.51	10.24	15.30	4.37	2.03	2.43
12.75	3.73	1.53	9.66	15.35	4.38	2.03	2.41
12.80	3.76	1.55	9.40	15.40	4.39	2.04	2.41
12.85	3.78	1.57	8.81	15.45	4.39	2.04	2.38
12.90	3.81	1.59	8.54	15.50	4.40	2.05	2.36
12.95	3.83	1.61	7.94	15.55	4.41	2.05	2.35

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	2.06	2.34	18.20	4.68	2.28	1.46
15.65	4.42	2.06	2.31	18.25	4.69	2.28	1.46
15.70	4.42	2.07	2.30	18.30	4.69	2.28	1.45
15.75	4.43	2.08	2.27	18.35	4.70	2.29	1.45
15.80	4.44	2.08	2.26	18.40	4.70	2.29	1.45
15.85	4.44	2.09	2.25	18.45	4.70	2.29	1.44
15.90	4.45	2.09	2.24	18.50	4.71	2.30	1.44
15.95	4.46	2.10	2.21	18.55	4.71	2.30	1.43
16.00	4.46	2.10	2.20	18.60	4.72	2.30	1.43
16.05	4.47	2.10	2.18	18.65	4.72	2.31	1.42
16.10	4.47	2.11	2.17	18.70	4.72	2.31	1.42
16.15	4.48	2.11	2.15	18.75	4.73	2.31	1.41
16.20	4.49	2.12	2.14	18.80	4.73	2.32	1.41
16.25	4.49	2.12	2.11	18.85	4.74	2.32	1.41
16.30	4.50	2.13	2.09	18.90	4.74	2.32	1.40
16.35	4.50	2.13	2.08	18.95	4.74	2.33	1.40
16.40	4.51	2.14	2.07	19.00	4.75	2.33	1.40
16.45	4.52	2.14	2.04	19.05	4.75	2.33	1.39
16.50	4.52	2.15	2.02	19.10	4.76	2.34	1.39
16.55	4.53	2.15	2.01	19.15	4.76	2.34	1.38
16.60	4.53	2.16	2.00	19.20	4.76	2.34	1.38
16.65	4.54	2.16	1.98	19.25	4.77	2.34	1.37
16.70	4.54	2.16	1.96	19.30	4.77	2.35	1.37
16.75	4.55	2.17	1.93	19.35	4.77	2.35	1.36
16.80	4.55	2.17	1.92	19.40	4.78	2.35	1.36
16.85	4.56	2.18	1.90	19.45	4.78	2.36	1.36
16.90	4.57	2.18	1.89	19.50	4.79	2.36	1.35
16.95	4.57	2.19	1.87	19.55	4.79	2.36	1.35
17.00	4.58	2.19	1.86	19.60	4.79	2.37	1.34
17.05	4.58	2.19	1.84	19.65	4.80	2.37	1.34
17.10	4.59	2.20	1.82	19.70	4.80	2.37	1.34
17.15	4.59	2.20	1.80	19.75	4.80	2.37	1.34
17.20	4.60	2.21	1.79	19.80	4.81	2.38	1.34
17.25	4.60	2.21	1.76	19.85	4.81	2.38	1.32
17.30	4.61	2.21	1.75	19.90	4.81	2.38	1.32
17.35	4.61	2.22	1.73	19.95	4.82	2.39	1.31
17.40	4.61	2.22	1.72	20.00	4.82	2.39	1.31
17.45	4.62	2.23	1.70	20.05	4.83	2.39	1.30
17.50	4.62	2.23	1.68	20.10	4.83	2.40	1.30
17.55	4.63	2.23	1.66	20.15	4.83	2.40	1.29
17.60	4.63	2.24	1.65	20.20	4.84	2.40	1.29
17.65	4.64	2.24	1.62	20.25	4.84	2.40	1.29
17.70	4.64	2.24	1.61	20.30	4.84	2.41	1.28
17.75	4.65	2.25	1.59	20.35	4.85	2.41	1.28
17.80	4.65	2.25	1.58	20.40	4.85	2.41	1.27
17.85	4.66	2.25	1.55	20.45	4.85	2.42	1.27
17.90	4.66	2.26	1.54	20.50	4.86	2.42	1.27
17.95	4.66	2.26	1.52	20.55	4.86	2.42	1.27
18.00	4.67	2.26	1.51	20.60	4.86	2.42	1.27
18.05	4.67	2.27	1.48	20.65	4.87	2.43	1.25
18.10	4.68	2.27	1.47	20.70	4.87	2.43	1.25
18.15	4.68	2.27	1.47	20.75	4.87	2.43	1.24

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.44	1.24	23.40	5.04	2.57	1.02
20.85	4.88	2.44	1.23	23.45	5.04	2.57	1.01
20.90	4.88	2.44	1.23	23.50	5.04	2.57	1.00
20.95	4.89	2.44	1.23	23.55	5.04	2.57	0.99
21.00	4.89	2.45	1.22	23.60	5.05	2.57	0.99
21.05	4.89	2.45	1.22	23.65	5.05	2.58	0.99
21.10	4.90	2.45	1.21	23.70	5.05	2.58	0.99
21.15	4.90	2.45	1.21	23.75	5.06	2.58	0.98
21.20	4.90	2.46	1.21	23.80	5.06	2.58	0.97
21.25	4.91	2.46	1.21	23.85	5.06	2.59	0.97
21.30	4.91	2.46	1.20	23.90	5.06	2.59	0.97
21.35	4.91	2.46	1.19	23.95	5.07	2.59	1.12
21.40	4.92	2.47	1.19	24.00	5.07	2.59	1.16
21.45	4.92	2.47	1.18	24.05	5.07	2.59	0.37
21.50	4.92	2.47	1.18	24.10	5.07	2.59	0.02
21.55	4.93	2.48	1.17	24.15	5.07	2.59	0.00
21.60	4.93	2.48	1.17	24.20	5.07	2.59	0.00
21.65	4.93	2.48	1.16	24.25	5.07	2.59	0.00
21.70	4.94	2.48	1.16	24.30	5.07	2.59	0.00
21.75	4.94	2.49	1.16	24.35	5.07	2.59	0.00
21.80	4.94	2.49	1.16	24.40	5.07	2.59	0.00
21.85	4.95	2.49	1.15	24.45	5.07	2.59	0.00
21.90	4.95	2.49	1.14	24.50	5.07	2.59	0.00
21.95	4.95	2.50	1.14	24.55	5.07	2.59	0.00
22.00	4.96	2.50	1.13	24.60	5.07	2.59	0.00
22.05	4.96	2.50	1.13	24.65	5.07	2.59	0.00
22.10	4.96	2.50	1.13	24.70	5.07	2.59	0.00
22.15	4.96	2.51	1.13	24.75	5.07	2.59	0.00
22.20	4.97	2.51	1.13	24.80	5.07	2.59	0.00
22.25	4.97	2.51	1.11	24.85	5.07	2.59	0.00
22.30	4.97	2.51	1.11	24.90	5.07	2.59	0.00
22.35	4.98	2.52	1.10	24.95	5.07	2.59	0.00
22.40	4.98	2.52	1.10	25.00	5.07	2.59	0.00
22.45	4.98	2.52	1.09	25.05	5.07	2.59	0.00
22.50	4.99	2.52	1.09	25.10	5.07	2.59	0.00
22.55	4.99	2.53	1.09	25.15	5.07	2.59	0.00
22.60	4.99	2.53	1.09	25.20	5.07	2.59	0.00
22.65	4.99	2.53	1.08	25.25	5.07	2.59	0.00
22.70	5.00	2.53	1.07	25.30	5.07	2.59	0.00
22.75	5.00	2.54	1.07	25.35	5.07	2.59	0.00
22.80	5.00	2.54	1.06	25.40	5.07	2.59	0.00
22.85	5.01	2.54	1.06	25.45	5.07	2.59	0.00
22.90	5.01	2.54	1.05	25.50	5.07	2.59	0.00
22.95	5.01	2.55	1.05	25.55	5.07	2.59	0.00
23.00	5.01	2.55	1.05	25.60	5.07	2.59	0.00
23.05	5.02	2.55	1.04	25.65	5.07	2.59	0.00
23.10	5.02	2.55	1.04	25.70	5.07	2.59	0.00
23.15	5.02	2.55	1.03	25.75	5.07	2.59	0.00
23.20	5.03	2.56	1.03	25.80	5.07	2.59	0.00
23.25	5.03	2.56	1.02	25.85	5.07	2.59	0.00
23.30	5.03	2.56	1.02	25.90	5.07	2.59	0.00
23.35	5.03	2.56	1.02	25.95	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.59	0.00	28.60	5.07	2.59	0.00
26.05	5.07	2.59	0.00	28.65	5.07	2.59	0.00
26.10	5.07	2.59	0.00	28.70	5.07	2.59	0.00
26.15	5.07	2.59	0.00	28.75	5.07	2.59	0.00
26.20	5.07	2.59	0.00	28.80	5.07	2.59	0.00
26.25	5.07	2.59	0.00	28.85	5.07	2.59	0.00
26.30	5.07	2.59	0.00	28.90	5.07	2.59	0.00
26.35	5.07	2.59	0.00	28.95	5.07	2.59	0.00
26.40	5.07	2.59	0.00	29.00	5.07	2.59	0.00
26.45	5.07	2.59	0.00	29.05	5.07	2.59	0.00
26.50	5.07	2.59	0.00	29.10	5.07	2.59	0.00
26.55	5.07	2.59	0.00	29.15	5.07	2.59	0.00
26.60	5.07	2.59	0.00	29.20	5.07	2.59	0.00
26.65	5.07	2.59	0.00	29.25	5.07	2.59	0.00
26.70	5.07	2.59	0.00	29.30	5.07	2.59	0.00
26.75	5.07	2.59	0.00	29.35	5.07	2.59	0.00
26.80	5.07	2.59	0.00	29.40	5.07	2.59	0.00
26.85	5.07	2.59	0.00	29.45	5.07	2.59	0.00
26.90	5.07	2.59	0.00	29.50	5.07	2.59	0.00
26.95	5.07	2.59	0.00	29.55	5.07	2.59	0.00
27.00	5.07	2.59	0.00	29.60	5.07	2.59	0.00
27.05	5.07	2.59	0.00	29.65	5.07	2.59	0.00
27.10	5.07	2.59	0.00	29.70	5.07	2.59	0.00
27.15	5.07	2.59	0.00	29.75	5.07	2.59	0.00
27.20	5.07	2.59	0.00	29.80	5.07	2.59	0.00
27.25	5.07	2.59	0.00	29.85	5.07	2.59	0.00
27.30	5.07	2.59	0.00	29.90	5.07	2.59	0.00
27.35	5.07	2.59	0.00	29.95	5.07	2.59	0.00
27.40	5.07	2.59	0.00	30.00	5.07	2.59	0.00
27.45	5.07	2.59	0.00	30.05	5.07	2.59	0.00
27.50	5.07	2.59	0.00	30.10	5.07	2.59	0.00
27.55	5.07	2.59	0.00	30.15	5.07	2.59	0.00
27.60	5.07	2.59	0.00	30.20	5.07	2.59	0.00
27.65	5.07	2.59	0.00	30.25	5.07	2.59	0.00
27.70	5.07	2.59	0.00	30.30	5.07	2.59	0.00
27.75	5.07	2.59	0.00	30.35	5.07	2.59	0.00
27.80	5.07	2.59	0.00	30.40	5.07	2.59	0.00
27.85	5.07	2.59	0.00	30.45	5.07	2.59	0.00
27.90	5.07	2.59	0.00	30.50	5.07	2.59	0.00
27.95	5.07	2.59	0.00	30.55	5.07	2.59	0.00
28.00	5.07	2.59	0.00	30.60	5.07	2.59	0.00
28.05	5.07	2.59	0.00	30.65	5.07	2.59	0.00
28.10	5.07	2.59	0.00	30.70	5.07	2.59	0.00
28.15	5.07	2.59	0.00	30.75	5.07	2.59	0.00
28.20	5.07	2.59	0.00	30.80	5.07	2.59	0.00
28.25	5.07	2.59	0.00	30.85	5.07	2.59	0.00
28.30	5.07	2.59	0.00	30.90	5.07	2.59	0.00
28.35	5.07	2.59	0.00	30.95	5.07	2.59	0.00
28.40	5.07	2.59	0.00	31.00	5.07	2.59	0.00
28.45	5.07	2.59	0.00	31.05	5.07	2.59	0.00
28.50	5.07	2.59	0.00	31.10	5.07	2.59	0.00
28.55	5.07	2.59	0.00	31.15	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.59	0.00	33.80	5.07	2.59	0.00
31.25	5.07	2.59	0.00	33.85	5.07	2.59	0.00
31.30	5.07	2.59	0.00	33.90	5.07	2.59	0.00
31.35	5.07	2.59	0.00	33.95	5.07	2.59	0.00
31.40	5.07	2.59	0.00	34.00	5.07	2.59	0.00
31.45	5.07	2.59	0.00	34.05	5.07	2.59	0.00
31.50	5.07	2.59	0.00	34.10	5.07	2.59	0.00
31.55	5.07	2.59	0.00	34.15	5.07	2.59	0.00
31.60	5.07	2.59	0.00	34.20	5.07	2.59	0.00
31.65	5.07	2.59	0.00	34.25	5.07	2.59	0.00
31.70	5.07	2.59	0.00	34.30	5.07	2.59	0.00
31.75	5.07	2.59	0.00	34.35	5.07	2.59	0.00
31.80	5.07	2.59	0.00	34.40	5.07	2.59	0.00
31.85	5.07	2.59	0.00	34.45	5.07	2.59	0.00
31.90	5.07	2.59	0.00	34.50	5.07	2.59	0.00
31.95	5.07	2.59	0.00	34.55	5.07	2.59	0.00
32.00	5.07	2.59	0.00	34.60	5.07	2.59	0.00
32.05	5.07	2.59	0.00	34.65	5.07	2.59	0.00
32.10	5.07	2.59	0.00	34.70	5.07	2.59	0.00
32.15	5.07	2.59	0.00	34.75	5.07	2.59	0.00
32.20	5.07	2.59	0.00	34.80	5.07	2.59	0.00
32.25	5.07	2.59	0.00	34.85	5.07	2.59	0.00
32.30	5.07	2.59	0.00	34.90	5.07	2.59	0.00
32.35	5.07	2.59	0.00	34.95	5.07	2.59	0.00
32.40	5.07	2.59	0.00	35.00	5.07	2.59	0.00
32.45	5.07	2.59	0.00	35.05	5.07	2.59	0.00
32.50	5.07	2.59	0.00	35.10	5.07	2.59	0.00
32.55	5.07	2.59	0.00	35.15	5.07	2.59	0.00
32.60	5.07	2.59	0.00	35.20	5.07	2.59	0.00
32.65	5.07	2.59	0.00	35.25	5.07	2.59	0.00
32.70	5.07	2.59	0.00	35.30	5.07	2.59	0.00
32.75	5.07	2.59	0.00	35.35	5.07	2.59	0.00
32.80	5.07	2.59	0.00	35.40	5.07	2.59	0.00
32.85	5.07	2.59	0.00	35.45	5.07	2.59	0.00
32.90	5.07	2.59	0.00	35.50	5.07	2.59	0.00
32.95	5.07	2.59	0.00	35.55	5.07	2.59	0.00
33.00	5.07	2.59	0.00	35.60	5.07	2.59	0.00
33.05	5.07	2.59	0.00	35.65	5.07	2.59	0.00
33.10	5.07	2.59	0.00	35.70	5.07	2.59	0.00
33.15	5.07	2.59	0.00	35.75	5.07	2.59	0.00
33.20	5.07	2.59	0.00	35.80	5.07	2.59	0.00
33.25	5.07	2.59	0.00	35.85	5.07	2.59	0.00
33.30	5.07	2.59	0.00	35.90	5.07	2.59	0.00
33.35	5.07	2.59	0.00	35.95	5.07	2.59	0.00
33.40	5.07	2.59	0.00	36.00	5.07	2.59	0.00
33.45	5.07	2.59	0.00	36.05	5.07	2.59	0.00
33.50	5.07	2.59	0.00	36.10	5.07	2.59	0.00
33.55	5.07	2.59	0.00	36.15	5.07	2.59	0.00
33.60	5.07	2.59	0.00	36.20	5.07	2.59	0.00
33.65	5.07	2.59	0.00	36.25	5.07	2.59	0.00
33.70	5.07	2.59	0.00	36.30	5.07	2.59	0.00
33.75	5.07	2.59	0.00	36.35	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.59	0.00	39.00	5.07	2.59	0.00
36.45	5.07	2.59	0.00	39.05	5.07	2.59	0.00
36.50	5.07	2.59	0.00	39.10	5.07	2.59	0.00
36.55	5.07	2.59	0.00	39.15	5.07	2.59	0.00
36.60	5.07	2.59	0.00	39.20	5.07	2.59	0.00
36.65	5.07	2.59	0.00	39.25	5.07	2.59	0.00
36.70	5.07	2.59	0.00	39.30	5.07	2.59	0.00
36.75	5.07	2.59	0.00	39.35	5.07	2.59	0.00
36.80	5.07	2.59	0.00	39.40	5.07	2.59	0.00
36.85	5.07	2.59	0.00	39.45	5.07	2.59	0.00
36.90	5.07	2.59	0.00	39.50	5.07	2.59	0.00
36.95	5.07	2.59	0.00	39.55	5.07	2.59	0.00
37.00	5.07	2.59	0.00	39.60	5.07	2.59	0.00
37.05	5.07	2.59	0.00	39.65	5.07	2.59	0.00
37.10	5.07	2.59	0.00	39.70	5.07	2.59	0.00
37.15	5.07	2.59	0.00	39.75	5.07	2.59	0.00
37.20	5.07	2.59	0.00	39.80	5.07	2.59	0.00
37.25	5.07	2.59	0.00	39.85	5.07	2.59	0.00
37.30	5.07	2.59	0.00	39.90	5.07	2.59	0.00
37.35	5.07	2.59	0.00	39.95	5.07	2.59	0.00
37.40	5.07	2.59	0.00	40.00	5.07	2.59	0.00
37.45	5.07	2.59	0.00				
37.50	5.07	2.59	0.00				
37.55	5.07	2.59	0.00				
37.60	5.07	2.59	0.00				
37.65	5.07	2.59	0.00				
37.70	5.07	2.59	0.00				
37.75	5.07	2.59	0.00				
37.80	5.07	2.59	0.00				
37.85	5.07	2.59	0.00				
37.90	5.07	2.59	0.00				
37.95	5.07	2.59	0.00				
38.00	5.07	2.59	0.00				
38.05	5.07	2.59	0.00				
38.10	5.07	2.59	0.00				
38.15	5.07	2.59	0.00				
38.20	5.07	2.59	0.00				
38.25	5.07	2.59	0.00				
38.30	5.07	2.59	0.00				
38.35	5.07	2.59	0.00				
38.40	5.07	2.59	0.00				
38.45	5.07	2.59	0.00				
38.50	5.07	2.59	0.00				
38.55	5.07	2.59	0.00				
38.60	5.07	2.59	0.00				
38.65	5.07	2.59	0.00				
38.70	5.07	2.59	0.00				
38.75	5.07	2.59	0.00				
38.80	5.07	2.59	0.00				
38.85	5.07	2.59	0.00				
38.90	5.07	2.59	0.00				
38.95	5.07	2.59	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 61.04 cfs @ 12.18 hrs, Volume= 4.661 af, Depth= 1.85"
Routed to Link XDA-4 : Existing Drainage Area #4

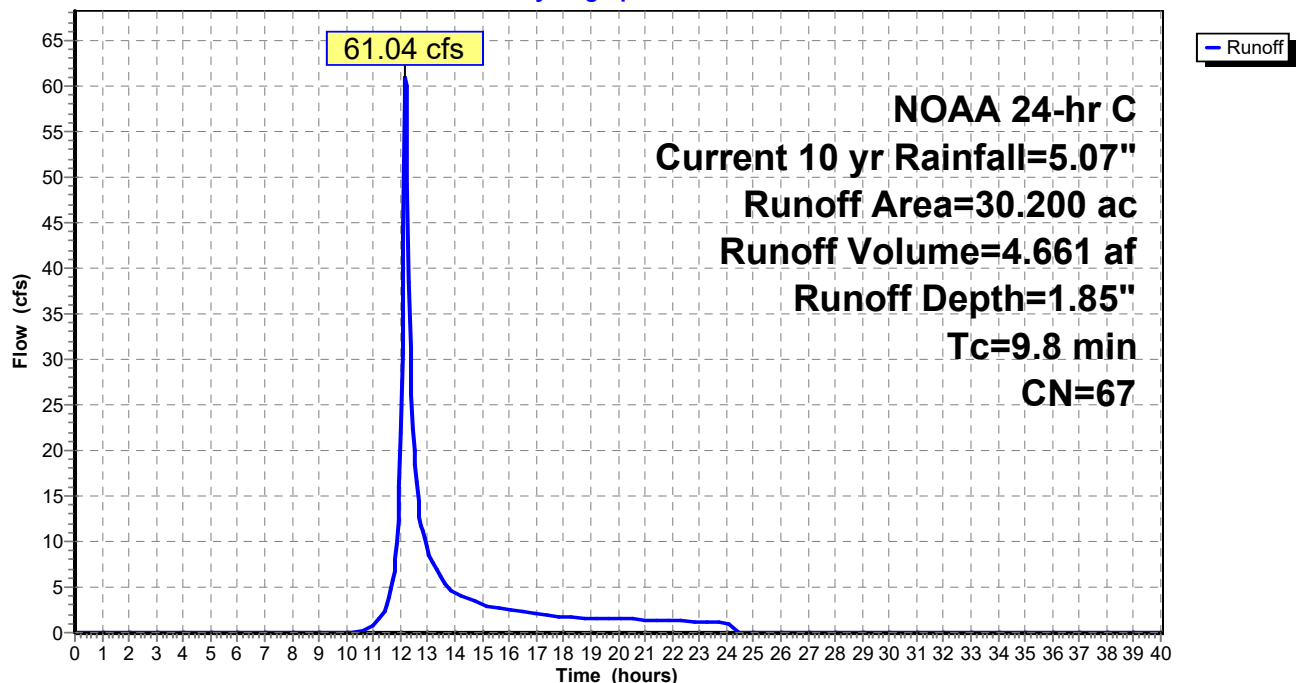
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.02	13.00	3.85	1.06	9.24
10.45	1.03	0.00	0.04	13.05	3.87	1.07	8.78
10.50	1.04	0.00	0.07	13.10	3.89	1.08	8.32
10.55	1.06	0.00	0.11	13.15	3.91	1.09	7.87
10.60	1.07	0.00	0.15	13.20	3.93	1.10	7.50
10.65	1.09	0.00	0.20	13.25	3.95	1.11	7.19
10.70	1.10	0.00	0.26	13.30	3.97	1.12	6.91
10.75	1.12	0.00	0.33	13.35	3.98	1.13	6.65
10.80	1.14	0.00	0.40	13.40	4.00	1.14	6.39
10.85	1.16	0.01	0.48	13.45	4.01	1.15	6.14
10.90	1.18	0.01	0.56	13.50	4.03	1.16	5.88
10.95	1.20	0.01	0.66	13.55	4.04	1.17	5.62
11.00	1.22	0.01	0.76	13.60	4.05	1.18	5.36
11.05	1.24	0.01	0.88	13.65	4.06	1.18	5.12
11.10	1.26	0.01	1.01	13.70	4.08	1.19	4.94
11.15	1.29	0.02	1.17	13.75	4.09	1.20	4.82
11.20	1.31	0.02	1.35	13.80	4.10	1.21	4.73
11.25	1.34	0.02	1.55	13.85	4.11	1.21	4.65
11.30	1.37	0.03	1.76	13.90	4.12	1.22	4.58
11.35	1.40	0.03	2.00	13.95	4.13	1.23	4.52
11.40	1.43	0.04	2.26	14.00	4.15	1.24	4.45
11.45	1.47	0.04	2.54	14.05	4.16	1.24	4.38
11.50	1.50	0.05	2.82	14.10	4.17	1.25	4.32
11.55	1.55	0.06	3.18	14.15	4.18	1.26	4.25
11.60	1.60	0.07	3.89	14.20	4.19	1.26	4.19
11.65	1.65	0.08	4.89	14.25	4.20	1.27	4.12
11.70	1.71	0.09	5.82	14.30	4.21	1.28	4.06
11.75	1.78	0.11	6.70	14.35	4.22	1.28	3.99
11.80	1.86	0.13	8.01	14.40	4.23	1.29	3.92
11.85	1.96	0.16	9.85	14.45	4.24	1.29	3.85
11.90	2.06	0.19	12.41	14.50	4.25	1.30	3.78
11.95	2.24	0.25	15.98	14.55	4.26	1.31	3.72
12.00	2.42	0.32	21.97	14.60	4.27	1.31	3.65
12.05	2.71	0.45	30.78	14.65	4.27	1.32	3.58
12.10	3.01	0.59	44.33	14.70	4.28	1.32	3.50
12.15	3.11	0.64	58.81	14.75	4.29	1.33	3.44
12.20	3.21	0.69	60.10	14.80	4.30	1.33	3.37
12.25	3.29	0.73	49.27	14.85	4.31	1.34	3.30
12.30	3.36	0.77	38.50	14.90	4.31	1.34	3.23
12.35	3.42	0.80	31.35	14.95	4.32	1.35	3.16
12.40	3.47	0.83	26.21	15.00	4.33	1.35	3.08
12.45	3.52	0.86	22.40	15.05	4.34	1.36	3.01
12.50	3.57	0.89	20.02	15.10	4.34	1.36	2.94
12.55	3.60	0.91	18.57	15.15	4.35	1.37	2.88
12.60	3.64	0.93	16.65	15.20	4.36	1.37	2.83
12.65	3.67	0.95	14.36	15.25	4.36	1.38	2.79
12.70	3.70	0.96	12.74	15.30	4.37	1.38	2.77
12.75	3.73	0.98	11.81	15.35	4.38	1.38	2.74
12.80	3.76	1.00	11.16	15.40	4.39	1.39	2.73
12.85	3.78	1.01	10.64	15.45	4.39	1.39	2.71
12.90	3.81	1.03	10.16	15.50	4.40	1.40	2.69
12.95	3.83	1.04	9.70	15.55	4.41	1.40	2.67

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.41	2.66	18.20	4.68	1.59	1.68
15.65	4.42	1.41	2.64	18.25	4.69	1.59	1.67
15.70	4.42	1.41	2.62	18.30	4.69	1.59	1.67
15.75	4.43	1.42	2.60	18.35	4.70	1.59	1.66
15.80	4.44	1.42	2.58	18.40	4.70	1.60	1.66
15.85	4.44	1.43	2.56	18.45	4.70	1.60	1.65
15.90	4.45	1.43	2.55	18.50	4.71	1.60	1.65
15.95	4.46	1.44	2.53	18.55	4.71	1.61	1.64
16.00	4.46	1.44	2.51	18.60	4.72	1.61	1.64
16.05	4.47	1.44	2.49	18.65	4.72	1.61	1.63
16.10	4.47	1.45	2.48	18.70	4.72	1.61	1.63
16.15	4.48	1.45	2.46	18.75	4.73	1.62	1.62
16.20	4.49	1.46	2.44	18.80	4.73	1.62	1.62
16.25	4.49	1.46	2.43	18.85	4.74	1.62	1.61
16.30	4.50	1.46	2.41	18.90	4.74	1.62	1.61
16.35	4.50	1.47	2.38	18.95	4.74	1.63	1.61
16.40	4.51	1.47	2.36	19.00	4.75	1.63	1.60
16.45	4.52	1.47	2.35	19.05	4.75	1.63	1.60
16.50	4.52	1.48	2.33	19.10	4.76	1.63	1.59
16.55	4.53	1.48	2.31	19.15	4.76	1.64	1.59
16.60	4.53	1.49	2.29	19.20	4.76	1.64	1.58
16.65	4.54	1.49	2.27	19.25	4.77	1.64	1.58
16.70	4.54	1.49	2.26	19.30	4.77	1.64	1.57
16.75	4.55	1.50	2.24	19.35	4.77	1.65	1.57
16.80	4.55	1.50	2.22	19.40	4.78	1.65	1.56
16.85	4.56	1.50	2.20	19.45	4.78	1.65	1.56
16.90	4.57	1.51	2.18	19.50	4.79	1.66	1.56
16.95	4.57	1.51	2.16	19.55	4.79	1.66	1.55
17.00	4.58	1.51	2.14	19.60	4.79	1.66	1.55
17.05	4.58	1.52	2.12	19.65	4.80	1.66	1.54
17.10	4.59	1.52	2.10	19.70	4.80	1.67	1.54
17.15	4.59	1.52	2.09	19.75	4.80	1.67	1.53
17.20	4.60	1.53	2.07	19.80	4.81	1.67	1.53
17.25	4.60	1.53	2.05	19.85	4.81	1.67	1.53
17.30	4.61	1.53	2.03	19.90	4.81	1.68	1.52
17.35	4.61	1.54	2.00	19.95	4.82	1.68	1.52
17.40	4.61	1.54	1.98	20.00	4.82	1.68	1.51
17.45	4.62	1.54	1.97	20.05	4.83	1.68	1.50
17.50	4.62	1.55	1.95	20.10	4.83	1.68	1.50
17.55	4.63	1.55	1.93	20.15	4.83	1.69	1.49
17.60	4.63	1.55	1.91	20.20	4.84	1.69	1.49
17.65	4.64	1.56	1.89	20.25	4.84	1.69	1.48
17.70	4.64	1.56	1.87	20.30	4.84	1.69	1.48
17.75	4.65	1.56	1.85	20.35	4.85	1.70	1.48
17.80	4.65	1.56	1.83	20.40	4.85	1.70	1.47
17.85	4.66	1.57	1.81	20.45	4.85	1.70	1.47
17.90	4.66	1.57	1.79	20.50	4.86	1.70	1.46
17.95	4.66	1.57	1.77	20.55	4.86	1.71	1.46
18.00	4.67	1.58	1.75	20.60	4.86	1.71	1.45
18.05	4.67	1.58	1.73	20.65	4.87	1.71	1.45
18.10	4.68	1.58	1.71	20.70	4.87	1.71	1.45
18.15	4.68	1.58	1.69	20.75	4.87	1.72	1.44

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.72	1.43	23.40	5.04	1.83	1.18
20.85	4.88	1.72	1.43	23.45	5.04	1.83	1.18
20.90	4.88	1.72	1.42	23.50	5.04	1.83	1.17
20.95	4.89	1.73	1.42	23.55	5.04	1.83	1.16
21.00	4.89	1.73	1.41	23.60	5.05	1.84	1.16
21.05	4.89	1.73	1.41	23.65	5.05	1.84	1.15
21.10	4.90	1.73	1.40	23.70	5.05	1.84	1.15
21.15	4.90	1.73	1.40	23.75	5.06	1.84	1.15
21.20	4.90	1.74	1.39	23.80	5.06	1.84	1.14
21.25	4.91	1.74	1.39	23.85	5.06	1.85	1.13
21.30	4.91	1.74	1.39	23.90	5.06	1.85	1.13
21.35	4.91	1.74	1.39	23.95	5.07	1.85	1.13
21.40	4.92	1.75	1.38	24.00	5.07	1.85	1.18
21.45	4.92	1.75	1.37	24.05	5.07	1.85	1.22
21.50	4.92	1.75	1.37	24.10	5.07	1.85	0.99
21.55	4.93	1.75	1.36	24.15	5.07	1.85	0.57
21.60	4.93	1.75	1.36	24.20	5.07	1.85	0.27
21.65	4.93	1.76	1.35	24.25	5.07	1.85	0.13
21.70	4.94	1.76	1.35	24.30	5.07	1.85	0.06
21.75	4.94	1.76	1.34	24.35	5.07	1.85	0.03
21.80	4.94	1.76	1.34	24.40	5.07	1.85	0.01
21.85	4.95	1.77	1.34	24.45	5.07	1.85	0.01
21.90	4.95	1.77	1.33	24.50	5.07	1.85	0.00
21.95	4.95	1.77	1.32	24.55	5.07	1.85	0.00
22.00	4.96	1.77	1.32	24.60	5.07	1.85	0.00
22.05	4.96	1.77	1.31	24.65	5.07	1.85	0.00
22.10	4.96	1.78	1.31	24.70	5.07	1.85	0.00
22.15	4.96	1.78	1.30	24.75	5.07	1.85	0.00
22.20	4.97	1.78	1.30	24.80	5.07	1.85	0.00
22.25	4.97	1.78	1.30	24.85	5.07	1.85	0.00
22.30	4.97	1.78	1.29	24.90	5.07	1.85	0.00
22.35	4.98	1.79	1.28	24.95	5.07	1.85	0.00
22.40	4.98	1.79	1.28	25.00	5.07	1.85	0.00
22.45	4.98	1.79	1.27	25.05	5.07	1.85	0.00
22.50	4.99	1.79	1.27	25.10	5.07	1.85	0.00
22.55	4.99	1.80	1.26	25.15	5.07	1.85	0.00
22.60	4.99	1.80	1.26	25.20	5.07	1.85	0.00
22.65	4.99	1.80	1.26	25.25	5.07	1.85	0.00
22.70	5.00	1.80	1.25	25.30	5.07	1.85	0.00
22.75	5.00	1.80	1.24	25.35	5.07	1.85	0.00
22.80	5.00	1.81	1.24	25.40	5.07	1.85	0.00
22.85	5.01	1.81	1.23	25.45	5.07	1.85	0.00
22.90	5.01	1.81	1.23	25.50	5.07	1.85	0.00
22.95	5.01	1.81	1.22	25.55	5.07	1.85	0.00
23.00	5.01	1.81	1.22	25.60	5.07	1.85	0.00
23.05	5.02	1.82	1.22	25.65	5.07	1.85	0.00
23.10	5.02	1.82	1.21	25.70	5.07	1.85	0.00
23.15	5.02	1.82	1.20	25.75	5.07	1.85	0.00
23.20	5.03	1.82	1.20	25.80	5.07	1.85	0.00
23.25	5.03	1.82	1.19	25.85	5.07	1.85	0.00
23.30	5.03	1.82	1.19	25.90	5.07	1.85	0.00
23.35	5.03	1.83	1.18	25.95	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.85	0.00	28.60	5.07	1.85	0.00
26.05	5.07	1.85	0.00	28.65	5.07	1.85	0.00
26.10	5.07	1.85	0.00	28.70	5.07	1.85	0.00
26.15	5.07	1.85	0.00	28.75	5.07	1.85	0.00
26.20	5.07	1.85	0.00	28.80	5.07	1.85	0.00
26.25	5.07	1.85	0.00	28.85	5.07	1.85	0.00
26.30	5.07	1.85	0.00	28.90	5.07	1.85	0.00
26.35	5.07	1.85	0.00	28.95	5.07	1.85	0.00
26.40	5.07	1.85	0.00	29.00	5.07	1.85	0.00
26.45	5.07	1.85	0.00	29.05	5.07	1.85	0.00
26.50	5.07	1.85	0.00	29.10	5.07	1.85	0.00
26.55	5.07	1.85	0.00	29.15	5.07	1.85	0.00
26.60	5.07	1.85	0.00	29.20	5.07	1.85	0.00
26.65	5.07	1.85	0.00	29.25	5.07	1.85	0.00
26.70	5.07	1.85	0.00	29.30	5.07	1.85	0.00
26.75	5.07	1.85	0.00	29.35	5.07	1.85	0.00
26.80	5.07	1.85	0.00	29.40	5.07	1.85	0.00
26.85	5.07	1.85	0.00	29.45	5.07	1.85	0.00
26.90	5.07	1.85	0.00	29.50	5.07	1.85	0.00
26.95	5.07	1.85	0.00	29.55	5.07	1.85	0.00
27.00	5.07	1.85	0.00	29.60	5.07	1.85	0.00
27.05	5.07	1.85	0.00	29.65	5.07	1.85	0.00
27.10	5.07	1.85	0.00	29.70	5.07	1.85	0.00
27.15	5.07	1.85	0.00	29.75	5.07	1.85	0.00
27.20	5.07	1.85	0.00	29.80	5.07	1.85	0.00
27.25	5.07	1.85	0.00	29.85	5.07	1.85	0.00
27.30	5.07	1.85	0.00	29.90	5.07	1.85	0.00
27.35	5.07	1.85	0.00	29.95	5.07	1.85	0.00
27.40	5.07	1.85	0.00	30.00	5.07	1.85	0.00
27.45	5.07	1.85	0.00	30.05	5.07	1.85	0.00
27.50	5.07	1.85	0.00	30.10	5.07	1.85	0.00
27.55	5.07	1.85	0.00	30.15	5.07	1.85	0.00
27.60	5.07	1.85	0.00	30.20	5.07	1.85	0.00
27.65	5.07	1.85	0.00	30.25	5.07	1.85	0.00
27.70	5.07	1.85	0.00	30.30	5.07	1.85	0.00
27.75	5.07	1.85	0.00	30.35	5.07	1.85	0.00
27.80	5.07	1.85	0.00	30.40	5.07	1.85	0.00
27.85	5.07	1.85	0.00	30.45	5.07	1.85	0.00
27.90	5.07	1.85	0.00	30.50	5.07	1.85	0.00
27.95	5.07	1.85	0.00	30.55	5.07	1.85	0.00
28.00	5.07	1.85	0.00	30.60	5.07	1.85	0.00
28.05	5.07	1.85	0.00	30.65	5.07	1.85	0.00
28.10	5.07	1.85	0.00	30.70	5.07	1.85	0.00
28.15	5.07	1.85	0.00	30.75	5.07	1.85	0.00
28.20	5.07	1.85	0.00	30.80	5.07	1.85	0.00
28.25	5.07	1.85	0.00	30.85	5.07	1.85	0.00
28.30	5.07	1.85	0.00	30.90	5.07	1.85	0.00
28.35	5.07	1.85	0.00	30.95	5.07	1.85	0.00
28.40	5.07	1.85	0.00	31.00	5.07	1.85	0.00
28.45	5.07	1.85	0.00	31.05	5.07	1.85	0.00
28.50	5.07	1.85	0.00	31.10	5.07	1.85	0.00
28.55	5.07	1.85	0.00	31.15	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.85	0.00	33.80	5.07	1.85	0.00
31.25	5.07	1.85	0.00	33.85	5.07	1.85	0.00
31.30	5.07	1.85	0.00	33.90	5.07	1.85	0.00
31.35	5.07	1.85	0.00	33.95	5.07	1.85	0.00
31.40	5.07	1.85	0.00	34.00	5.07	1.85	0.00
31.45	5.07	1.85	0.00	34.05	5.07	1.85	0.00
31.50	5.07	1.85	0.00	34.10	5.07	1.85	0.00
31.55	5.07	1.85	0.00	34.15	5.07	1.85	0.00
31.60	5.07	1.85	0.00	34.20	5.07	1.85	0.00
31.65	5.07	1.85	0.00	34.25	5.07	1.85	0.00
31.70	5.07	1.85	0.00	34.30	5.07	1.85	0.00
31.75	5.07	1.85	0.00	34.35	5.07	1.85	0.00
31.80	5.07	1.85	0.00	34.40	5.07	1.85	0.00
31.85	5.07	1.85	0.00	34.45	5.07	1.85	0.00
31.90	5.07	1.85	0.00	34.50	5.07	1.85	0.00
31.95	5.07	1.85	0.00	34.55	5.07	1.85	0.00
32.00	5.07	1.85	0.00	34.60	5.07	1.85	0.00
32.05	5.07	1.85	0.00	34.65	5.07	1.85	0.00
32.10	5.07	1.85	0.00	34.70	5.07	1.85	0.00
32.15	5.07	1.85	0.00	34.75	5.07	1.85	0.00
32.20	5.07	1.85	0.00	34.80	5.07	1.85	0.00
32.25	5.07	1.85	0.00	34.85	5.07	1.85	0.00
32.30	5.07	1.85	0.00	34.90	5.07	1.85	0.00
32.35	5.07	1.85	0.00	34.95	5.07	1.85	0.00
32.40	5.07	1.85	0.00	35.00	5.07	1.85	0.00
32.45	5.07	1.85	0.00	35.05	5.07	1.85	0.00
32.50	5.07	1.85	0.00	35.10	5.07	1.85	0.00
32.55	5.07	1.85	0.00	35.15	5.07	1.85	0.00
32.60	5.07	1.85	0.00	35.20	5.07	1.85	0.00
32.65	5.07	1.85	0.00	35.25	5.07	1.85	0.00
32.70	5.07	1.85	0.00	35.30	5.07	1.85	0.00
32.75	5.07	1.85	0.00	35.35	5.07	1.85	0.00
32.80	5.07	1.85	0.00	35.40	5.07	1.85	0.00
32.85	5.07	1.85	0.00	35.45	5.07	1.85	0.00
32.90	5.07	1.85	0.00	35.50	5.07	1.85	0.00
32.95	5.07	1.85	0.00	35.55	5.07	1.85	0.00
33.00	5.07	1.85	0.00	35.60	5.07	1.85	0.00
33.05	5.07	1.85	0.00	35.65	5.07	1.85	0.00
33.10	5.07	1.85	0.00	35.70	5.07	1.85	0.00
33.15	5.07	1.85	0.00	35.75	5.07	1.85	0.00
33.20	5.07	1.85	0.00	35.80	5.07	1.85	0.00
33.25	5.07	1.85	0.00	35.85	5.07	1.85	0.00
33.30	5.07	1.85	0.00	35.90	5.07	1.85	0.00
33.35	5.07	1.85	0.00	35.95	5.07	1.85	0.00
33.40	5.07	1.85	0.00	36.00	5.07	1.85	0.00
33.45	5.07	1.85	0.00	36.05	5.07	1.85	0.00
33.50	5.07	1.85	0.00	36.10	5.07	1.85	0.00
33.55	5.07	1.85	0.00	36.15	5.07	1.85	0.00
33.60	5.07	1.85	0.00	36.20	5.07	1.85	0.00
33.65	5.07	1.85	0.00	36.25	5.07	1.85	0.00
33.70	5.07	1.85	0.00	36.30	5.07	1.85	0.00
33.75	5.07	1.85	0.00	36.35	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.85	0.00	39.00	5.07	1.85	0.00
36.45	5.07	1.85	0.00	39.05	5.07	1.85	0.00
36.50	5.07	1.85	0.00	39.10	5.07	1.85	0.00
36.55	5.07	1.85	0.00	39.15	5.07	1.85	0.00
36.60	5.07	1.85	0.00	39.20	5.07	1.85	0.00
36.65	5.07	1.85	0.00	39.25	5.07	1.85	0.00
36.70	5.07	1.85	0.00	39.30	5.07	1.85	0.00
36.75	5.07	1.85	0.00	39.35	5.07	1.85	0.00
36.80	5.07	1.85	0.00	39.40	5.07	1.85	0.00
36.85	5.07	1.85	0.00	39.45	5.07	1.85	0.00
36.90	5.07	1.85	0.00	39.50	5.07	1.85	0.00
36.95	5.07	1.85	0.00	39.55	5.07	1.85	0.00
37.00	5.07	1.85	0.00	39.60	5.07	1.85	0.00
37.05	5.07	1.85	0.00	39.65	5.07	1.85	0.00
37.10	5.07	1.85	0.00	39.70	5.07	1.85	0.00
37.15	5.07	1.85	0.00	39.75	5.07	1.85	0.00
37.20	5.07	1.85	0.00	39.80	5.07	1.85	0.00
37.25	5.07	1.85	0.00	39.85	5.07	1.85	0.00
37.30	5.07	1.85	0.00	39.90	5.07	1.85	0.00
37.35	5.07	1.85	0.00	39.95	5.07	1.85	0.00
37.40	5.07	1.85	0.00	40.00	5.07	1.85	0.00
37.45	5.07	1.85	0.00				
37.50	5.07	1.85	0.00				
37.55	5.07	1.85	0.00				
37.60	5.07	1.85	0.00				
37.65	5.07	1.85	0.00				
37.70	5.07	1.85	0.00				
37.75	5.07	1.85	0.00				
37.80	5.07	1.85	0.00				
37.85	5.07	1.85	0.00				
37.90	5.07	1.85	0.00				
37.95	5.07	1.85	0.00				
38.00	5.07	1.85	0.00				
38.05	5.07	1.85	0.00				
38.10	5.07	1.85	0.00				
38.15	5.07	1.85	0.00				
38.20	5.07	1.85	0.00				
38.25	5.07	1.85	0.00				
38.30	5.07	1.85	0.00				
38.35	5.07	1.85	0.00				
38.40	5.07	1.85	0.00				
38.45	5.07	1.85	0.00				
38.50	5.07	1.85	0.00				
38.55	5.07	1.85	0.00				
38.60	5.07	1.85	0.00				
38.65	5.07	1.85	0.00				
38.70	5.07	1.85	0.00				
38.75	5.07	1.85	0.00				
38.80	5.07	1.85	0.00				
38.85	5.07	1.85	0.00				
38.90	5.07	1.85	0.00				
38.95	5.07	1.85	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 25.49 cfs @ 12.16 hrs, Volume= 1.829 af, Depth= 2.51"
Routed to Link XDA-5 : Existing Drainage Area #5

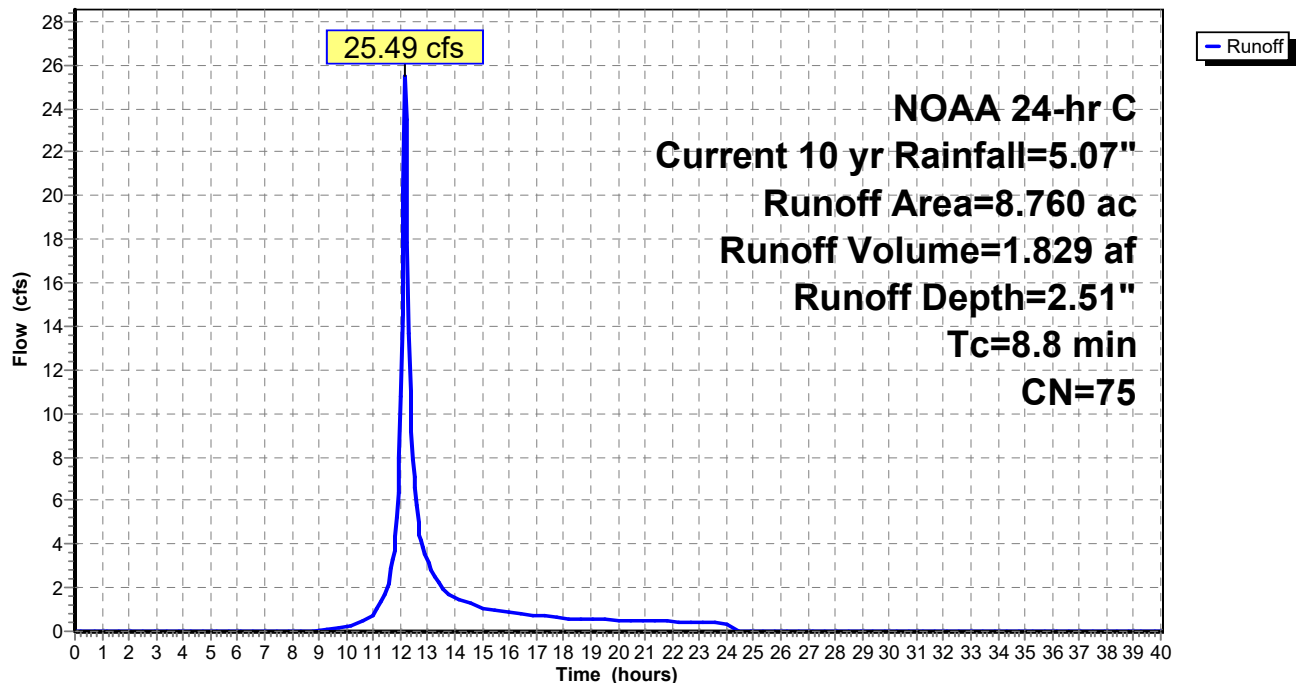
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.01
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.01
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.01
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.02
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.02
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.03
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.03
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.04
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.05
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.05
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.06
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.06
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.07
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.08
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.09
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.10
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.11
6.90	0.48	0.00	0.00	9.50	0.82	0.01	0.11
6.95	0.49	0.00	0.00	9.55	0.83	0.01	0.12
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.14
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.15
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.16
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.17
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.18
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.19
7.30	0.53	0.00	0.00	9.90	0.90	0.02	0.21
7.35	0.53	0.00	0.00	9.95	0.91	0.02	0.22
7.40	0.54	0.00	0.00	10.00	0.92	0.02	0.23
7.45	0.54	0.00	0.00	10.05	0.94	0.02	0.25
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.26
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.28
7.60	0.56	0.00	0.00	10.20	0.97	0.03	0.29
7.65	0.57	0.00	0.00	10.25	0.98	0.03	0.31
7.70	0.57	0.00	0.00	10.30	0.99	0.03	0.32
7.75	0.58	0.00	0.00	10.35	1.01	0.03	0.34

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.36	13.00	3.85	1.56	3.26
10.45	1.03	0.04	0.38	13.05	3.87	1.57	3.09
10.50	1.04	0.04	0.39	13.10	3.89	1.59	2.92
10.55	1.06	0.04	0.41	13.15	3.91	1.60	2.76
10.60	1.07	0.04	0.44	13.20	3.93	1.61	2.63
10.65	1.09	0.05	0.48	13.25	3.95	1.63	2.53
10.70	1.10	0.05	0.52	13.30	3.97	1.64	2.43
10.75	1.12	0.05	0.56	13.35	3.98	1.65	2.33
10.80	1.14	0.06	0.60	13.40	4.00	1.66	2.24
10.85	1.16	0.06	0.65	13.45	4.01	1.67	2.15
10.90	1.18	0.07	0.70	13.50	4.03	1.69	2.05
10.95	1.20	0.07	0.75	13.55	4.04	1.70	1.96
11.00	1.22	0.08	0.81	13.60	4.05	1.70	1.87
11.05	1.24	0.08	0.87	13.65	4.06	1.71	1.78
11.10	1.26	0.09	0.95	13.70	4.08	1.72	1.72
11.15	1.29	0.10	1.03	13.75	4.09	1.73	1.68
11.20	1.31	0.11	1.13	13.80	4.10	1.74	1.65
11.25	1.34	0.11	1.23	13.85	4.11	1.75	1.63
11.30	1.37	0.12	1.34	13.90	4.12	1.76	1.60
11.35	1.40	0.13	1.46	13.95	4.13	1.77	1.58
11.40	1.43	0.14	1.58	14.00	4.15	1.78	1.56
11.45	1.47	0.15	1.71	14.05	4.16	1.78	1.53
11.50	1.50	0.17	1.83	14.10	4.17	1.79	1.51
11.55	1.55	0.18	2.00	14.15	4.18	1.80	1.48
11.60	1.60	0.20	2.42	14.20	4.19	1.81	1.46
11.65	1.65	0.23	2.93	14.25	4.20	1.82	1.44
11.70	1.71	0.25	3.33	14.30	4.21	1.82	1.41
11.75	1.78	0.28	3.71	14.35	4.22	1.83	1.39
11.80	1.86	0.31	4.34	14.40	4.23	1.84	1.36
11.85	1.96	0.36	5.19	14.45	4.24	1.85	1.34
11.90	2.06	0.41	6.37	14.50	4.25	1.85	1.31
11.95	2.24	0.50	7.97	14.55	4.26	1.86	1.29
12.00	2.42	0.60	10.74	14.60	4.27	1.87	1.27
12.05	2.71	0.78	14.57	14.65	4.27	1.87	1.24
12.10	3.01	0.97	20.24	14.70	4.28	1.88	1.21
12.15	3.11	1.03	25.30	14.75	4.29	1.89	1.19
12.20	3.21	1.10	23.48	14.80	4.30	1.89	1.17
12.25	3.29	1.15	17.87	14.85	4.31	1.90	1.14
12.30	3.36	1.20	13.67	14.90	4.31	1.91	1.12
12.35	3.42	1.24	11.05	14.95	4.32	1.91	1.09
12.40	3.47	1.28	9.19	15.00	4.33	1.92	1.06
12.45	3.52	1.32	7.85	15.05	4.34	1.92	1.04
12.50	3.57	1.35	7.09	15.10	4.34	1.93	1.01
12.55	3.60	1.38	6.60	15.15	4.35	1.93	0.99
12.60	3.64	1.40	5.83	15.20	4.36	1.94	0.98
12.65	3.67	1.42	4.99	15.25	4.36	1.94	0.97
12.70	3.70	1.45	4.46	15.30	4.37	1.95	0.96
12.75	3.73	1.47	4.17	15.35	4.38	1.96	0.95
12.80	3.76	1.49	3.95	15.40	4.39	1.96	0.94
12.85	3.78	1.51	3.77	15.45	4.39	1.97	0.94
12.90	3.81	1.52	3.59	15.50	4.40	1.97	0.93
12.95	3.83	1.54	3.43	15.55	4.41	1.98	0.92

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.98	0.92	18.20	4.68	2.20	0.57
15.65	4.42	1.99	0.91	18.25	4.69	2.20	0.57
15.70	4.42	1.99	0.91	18.30	4.69	2.20	0.57
15.75	4.43	2.00	0.90	18.35	4.70	2.21	0.57
15.80	4.44	2.00	0.89	18.40	4.70	2.21	0.57
15.85	4.44	2.01	0.88	18.45	4.70	2.21	0.56
15.90	4.45	2.01	0.88	18.50	4.71	2.22	0.56
15.95	4.46	2.02	0.87	18.55	4.71	2.22	0.56
16.00	4.46	2.02	0.87	18.60	4.72	2.22	0.56
16.05	4.47	2.03	0.86	18.65	4.72	2.22	0.56
16.10	4.47	2.03	0.85	18.70	4.72	2.23	0.56
16.15	4.48	2.04	0.85	18.75	4.73	2.23	0.55
16.20	4.49	2.04	0.84	18.80	4.73	2.23	0.55
16.25	4.49	2.04	0.83	18.85	4.74	2.24	0.55
16.30	4.50	2.05	0.83	18.90	4.74	2.24	0.55
16.35	4.50	2.05	0.82	18.95	4.74	2.24	0.55
16.40	4.51	2.06	0.81	19.00	4.75	2.25	0.55
16.45	4.52	2.06	0.81	19.05	4.75	2.25	0.54
16.50	4.52	2.07	0.80	19.10	4.76	2.25	0.54
16.55	4.53	2.07	0.79	19.15	4.76	2.26	0.54
16.60	4.53	2.08	0.79	19.20	4.76	2.26	0.54
16.65	4.54	2.08	0.78	19.25	4.77	2.26	0.54
16.70	4.54	2.08	0.77	19.30	4.77	2.26	0.54
16.75	4.55	2.09	0.77	19.35	4.77	2.27	0.53
16.80	4.55	2.09	0.76	19.40	4.78	2.27	0.53
16.85	4.56	2.10	0.75	19.45	4.78	2.27	0.53
16.90	4.57	2.10	0.75	19.50	4.79	2.28	0.53
16.95	4.57	2.11	0.74	19.55	4.79	2.28	0.53
17.00	4.58	2.11	0.73	19.60	4.79	2.28	0.53
17.05	4.58	2.11	0.73	19.65	4.80	2.29	0.52
17.10	4.59	2.12	0.72	19.70	4.80	2.29	0.52
17.15	4.59	2.12	0.71	19.75	4.80	2.29	0.52
17.20	4.60	2.13	0.71	19.80	4.81	2.29	0.52
17.25	4.60	2.13	0.70	19.85	4.81	2.30	0.52
17.30	4.61	2.13	0.69	19.90	4.81	2.30	0.52
17.35	4.61	2.14	0.69	19.95	4.82	2.30	0.52
17.40	4.61	2.14	0.68	20.00	4.82	2.31	0.51
17.45	4.62	2.14	0.67	20.05	4.83	2.31	0.51
17.50	4.62	2.15	0.67	20.10	4.83	2.31	0.51
17.55	4.63	2.15	0.66	20.15	4.83	2.31	0.51
17.60	4.63	2.16	0.65	20.20	4.84	2.32	0.51
17.65	4.64	2.16	0.65	20.25	4.84	2.32	0.50
17.70	4.64	2.16	0.64	20.30	4.84	2.32	0.50
17.75	4.65	2.17	0.63	20.35	4.85	2.33	0.50
17.80	4.65	2.17	0.63	20.40	4.85	2.33	0.50
17.85	4.66	2.17	0.62	20.45	4.85	2.33	0.50
17.90	4.66	2.18	0.61	20.50	4.86	2.33	0.50
17.95	4.66	2.18	0.60	20.55	4.86	2.34	0.49
18.00	4.67	2.18	0.60	20.60	4.86	2.34	0.49
18.05	4.67	2.19	0.59	20.65	4.87	2.34	0.49
18.10	4.68	2.19	0.58	20.70	4.87	2.34	0.49
18.15	4.68	2.19	0.58	20.75	4.87	2.35	0.49

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.35	0.49	23.40	5.04	2.48	0.40
20.85	4.88	2.35	0.48	23.45	5.04	2.48	0.40
20.90	4.88	2.36	0.48	23.50	5.04	2.48	0.39
20.95	4.89	2.36	0.48	23.55	5.04	2.49	0.39
21.00	4.89	2.36	0.48	23.60	5.05	2.49	0.39
21.05	4.89	2.36	0.48	23.65	5.05	2.49	0.39
21.10	4.90	2.37	0.48	23.70	5.05	2.49	0.39
21.15	4.90	2.37	0.47	23.75	5.06	2.49	0.39
21.20	4.90	2.37	0.47	23.80	5.06	2.50	0.38
21.25	4.91	2.37	0.47	23.85	5.06	2.50	0.38
21.30	4.91	2.38	0.47	23.90	5.06	2.50	0.38
21.35	4.91	2.38	0.47	23.95	5.07	2.50	0.38
21.40	4.92	2.38	0.47	24.00	5.07	2.51	0.41
21.45	4.92	2.39	0.46	24.05	5.07	2.51	0.41
21.50	4.92	2.39	0.46	24.10	5.07	2.51	0.30
21.55	4.93	2.39	0.46	24.15	5.07	2.51	0.15
21.60	4.93	2.39	0.46	24.20	5.07	2.51	0.07
21.65	4.93	2.40	0.46	24.25	5.07	2.51	0.03
21.70	4.94	2.40	0.46	24.30	5.07	2.51	0.01
21.75	4.94	2.40	0.45	24.35	5.07	2.51	0.01
21.80	4.94	2.40	0.45	24.40	5.07	2.51	0.00
21.85	4.95	2.41	0.45	24.45	5.07	2.51	0.00
21.90	4.95	2.41	0.45	24.50	5.07	2.51	0.00
21.95	4.95	2.41	0.45	24.55	5.07	2.51	0.00
22.00	4.96	2.41	0.45	24.60	5.07	2.51	0.00
22.05	4.96	2.42	0.44	24.65	5.07	2.51	0.00
22.10	4.96	2.42	0.44	24.70	5.07	2.51	0.00
22.15	4.96	2.42	0.44	24.75	5.07	2.51	0.00
22.20	4.97	2.42	0.44	24.80	5.07	2.51	0.00
22.25	4.97	2.43	0.44	24.85	5.07	2.51	0.00
22.30	4.97	2.43	0.44	24.90	5.07	2.51	0.00
22.35	4.98	2.43	0.43	24.95	5.07	2.51	0.00
22.40	4.98	2.43	0.43	25.00	5.07	2.51	0.00
22.45	4.98	2.44	0.43	25.05	5.07	2.51	0.00
22.50	4.99	2.44	0.43	25.10	5.07	2.51	0.00
22.55	4.99	2.44	0.43	25.15	5.07	2.51	0.00
22.60	4.99	2.44	0.43	25.20	5.07	2.51	0.00
22.65	4.99	2.44	0.42	25.25	5.07	2.51	0.00
22.70	5.00	2.45	0.42	25.30	5.07	2.51	0.00
22.75	5.00	2.45	0.42	25.35	5.07	2.51	0.00
22.80	5.00	2.45	0.42	25.40	5.07	2.51	0.00
22.85	5.01	2.45	0.42	25.45	5.07	2.51	0.00
22.90	5.01	2.46	0.41	25.50	5.07	2.51	0.00
22.95	5.01	2.46	0.41	25.55	5.07	2.51	0.00
23.00	5.01	2.46	0.41	25.60	5.07	2.51	0.00
23.05	5.02	2.46	0.41	25.65	5.07	2.51	0.00
23.10	5.02	2.47	0.41	25.70	5.07	2.51	0.00
23.15	5.02	2.47	0.41	25.75	5.07	2.51	0.00
23.20	5.03	2.47	0.40	25.80	5.07	2.51	0.00
23.25	5.03	2.47	0.40	25.85	5.07	2.51	0.00
23.30	5.03	2.47	0.40	25.90	5.07	2.51	0.00
23.35	5.03	2.48	0.40	25.95	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.51	0.00	28.60	5.07	2.51	0.00
26.05	5.07	2.51	0.00	28.65	5.07	2.51	0.00
26.10	5.07	2.51	0.00	28.70	5.07	2.51	0.00
26.15	5.07	2.51	0.00	28.75	5.07	2.51	0.00
26.20	5.07	2.51	0.00	28.80	5.07	2.51	0.00
26.25	5.07	2.51	0.00	28.85	5.07	2.51	0.00
26.30	5.07	2.51	0.00	28.90	5.07	2.51	0.00
26.35	5.07	2.51	0.00	28.95	5.07	2.51	0.00
26.40	5.07	2.51	0.00	29.00	5.07	2.51	0.00
26.45	5.07	2.51	0.00	29.05	5.07	2.51	0.00
26.50	5.07	2.51	0.00	29.10	5.07	2.51	0.00
26.55	5.07	2.51	0.00	29.15	5.07	2.51	0.00
26.60	5.07	2.51	0.00	29.20	5.07	2.51	0.00
26.65	5.07	2.51	0.00	29.25	5.07	2.51	0.00
26.70	5.07	2.51	0.00	29.30	5.07	2.51	0.00
26.75	5.07	2.51	0.00	29.35	5.07	2.51	0.00
26.80	5.07	2.51	0.00	29.40	5.07	2.51	0.00
26.85	5.07	2.51	0.00	29.45	5.07	2.51	0.00
26.90	5.07	2.51	0.00	29.50	5.07	2.51	0.00
26.95	5.07	2.51	0.00	29.55	5.07	2.51	0.00
27.00	5.07	2.51	0.00	29.60	5.07	2.51	0.00
27.05	5.07	2.51	0.00	29.65	5.07	2.51	0.00
27.10	5.07	2.51	0.00	29.70	5.07	2.51	0.00
27.15	5.07	2.51	0.00	29.75	5.07	2.51	0.00
27.20	5.07	2.51	0.00	29.80	5.07	2.51	0.00
27.25	5.07	2.51	0.00	29.85	5.07	2.51	0.00
27.30	5.07	2.51	0.00	29.90	5.07	2.51	0.00
27.35	5.07	2.51	0.00	29.95	5.07	2.51	0.00
27.40	5.07	2.51	0.00	30.00	5.07	2.51	0.00
27.45	5.07	2.51	0.00	30.05	5.07	2.51	0.00
27.50	5.07	2.51	0.00	30.10	5.07	2.51	0.00
27.55	5.07	2.51	0.00	30.15	5.07	2.51	0.00
27.60	5.07	2.51	0.00	30.20	5.07	2.51	0.00
27.65	5.07	2.51	0.00	30.25	5.07	2.51	0.00
27.70	5.07	2.51	0.00	30.30	5.07	2.51	0.00
27.75	5.07	2.51	0.00	30.35	5.07	2.51	0.00
27.80	5.07	2.51	0.00	30.40	5.07	2.51	0.00
27.85	5.07	2.51	0.00	30.45	5.07	2.51	0.00
27.90	5.07	2.51	0.00	30.50	5.07	2.51	0.00
27.95	5.07	2.51	0.00	30.55	5.07	2.51	0.00
28.00	5.07	2.51	0.00	30.60	5.07	2.51	0.00
28.05	5.07	2.51	0.00	30.65	5.07	2.51	0.00
28.10	5.07	2.51	0.00	30.70	5.07	2.51	0.00
28.15	5.07	2.51	0.00	30.75	5.07	2.51	0.00
28.20	5.07	2.51	0.00	30.80	5.07	2.51	0.00
28.25	5.07	2.51	0.00	30.85	5.07	2.51	0.00
28.30	5.07	2.51	0.00	30.90	5.07	2.51	0.00
28.35	5.07	2.51	0.00	30.95	5.07	2.51	0.00
28.40	5.07	2.51	0.00	31.00	5.07	2.51	0.00
28.45	5.07	2.51	0.00	31.05	5.07	2.51	0.00
28.50	5.07	2.51	0.00	31.10	5.07	2.51	0.00
28.55	5.07	2.51	0.00	31.15	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.51	0.00	33.80	5.07	2.51	0.00
31.25	5.07	2.51	0.00	33.85	5.07	2.51	0.00
31.30	5.07	2.51	0.00	33.90	5.07	2.51	0.00
31.35	5.07	2.51	0.00	33.95	5.07	2.51	0.00
31.40	5.07	2.51	0.00	34.00	5.07	2.51	0.00
31.45	5.07	2.51	0.00	34.05	5.07	2.51	0.00
31.50	5.07	2.51	0.00	34.10	5.07	2.51	0.00
31.55	5.07	2.51	0.00	34.15	5.07	2.51	0.00
31.60	5.07	2.51	0.00	34.20	5.07	2.51	0.00
31.65	5.07	2.51	0.00	34.25	5.07	2.51	0.00
31.70	5.07	2.51	0.00	34.30	5.07	2.51	0.00
31.75	5.07	2.51	0.00	34.35	5.07	2.51	0.00
31.80	5.07	2.51	0.00	34.40	5.07	2.51	0.00
31.85	5.07	2.51	0.00	34.45	5.07	2.51	0.00
31.90	5.07	2.51	0.00	34.50	5.07	2.51	0.00
31.95	5.07	2.51	0.00	34.55	5.07	2.51	0.00
32.00	5.07	2.51	0.00	34.60	5.07	2.51	0.00
32.05	5.07	2.51	0.00	34.65	5.07	2.51	0.00
32.10	5.07	2.51	0.00	34.70	5.07	2.51	0.00
32.15	5.07	2.51	0.00	34.75	5.07	2.51	0.00
32.20	5.07	2.51	0.00	34.80	5.07	2.51	0.00
32.25	5.07	2.51	0.00	34.85	5.07	2.51	0.00
32.30	5.07	2.51	0.00	34.90	5.07	2.51	0.00
32.35	5.07	2.51	0.00	34.95	5.07	2.51	0.00
32.40	5.07	2.51	0.00	35.00	5.07	2.51	0.00
32.45	5.07	2.51	0.00	35.05	5.07	2.51	0.00
32.50	5.07	2.51	0.00	35.10	5.07	2.51	0.00
32.55	5.07	2.51	0.00	35.15	5.07	2.51	0.00
32.60	5.07	2.51	0.00	35.20	5.07	2.51	0.00
32.65	5.07	2.51	0.00	35.25	5.07	2.51	0.00
32.70	5.07	2.51	0.00	35.30	5.07	2.51	0.00
32.75	5.07	2.51	0.00	35.35	5.07	2.51	0.00
32.80	5.07	2.51	0.00	35.40	5.07	2.51	0.00
32.85	5.07	2.51	0.00	35.45	5.07	2.51	0.00
32.90	5.07	2.51	0.00	35.50	5.07	2.51	0.00
32.95	5.07	2.51	0.00	35.55	5.07	2.51	0.00
33.00	5.07	2.51	0.00	35.60	5.07	2.51	0.00
33.05	5.07	2.51	0.00	35.65	5.07	2.51	0.00
33.10	5.07	2.51	0.00	35.70	5.07	2.51	0.00
33.15	5.07	2.51	0.00	35.75	5.07	2.51	0.00
33.20	5.07	2.51	0.00	35.80	5.07	2.51	0.00
33.25	5.07	2.51	0.00	35.85	5.07	2.51	0.00
33.30	5.07	2.51	0.00	35.90	5.07	2.51	0.00
33.35	5.07	2.51	0.00	35.95	5.07	2.51	0.00
33.40	5.07	2.51	0.00	36.00	5.07	2.51	0.00
33.45	5.07	2.51	0.00	36.05	5.07	2.51	0.00
33.50	5.07	2.51	0.00	36.10	5.07	2.51	0.00
33.55	5.07	2.51	0.00	36.15	5.07	2.51	0.00
33.60	5.07	2.51	0.00	36.20	5.07	2.51	0.00
33.65	5.07	2.51	0.00	36.25	5.07	2.51	0.00
33.70	5.07	2.51	0.00	36.30	5.07	2.51	0.00
33.75	5.07	2.51	0.00	36.35	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.51	0.00	39.00	5.07	2.51	0.00
36.45	5.07	2.51	0.00	39.05	5.07	2.51	0.00
36.50	5.07	2.51	0.00	39.10	5.07	2.51	0.00
36.55	5.07	2.51	0.00	39.15	5.07	2.51	0.00
36.60	5.07	2.51	0.00	39.20	5.07	2.51	0.00
36.65	5.07	2.51	0.00	39.25	5.07	2.51	0.00
36.70	5.07	2.51	0.00	39.30	5.07	2.51	0.00
36.75	5.07	2.51	0.00	39.35	5.07	2.51	0.00
36.80	5.07	2.51	0.00	39.40	5.07	2.51	0.00
36.85	5.07	2.51	0.00	39.45	5.07	2.51	0.00
36.90	5.07	2.51	0.00	39.50	5.07	2.51	0.00
36.95	5.07	2.51	0.00	39.55	5.07	2.51	0.00
37.00	5.07	2.51	0.00	39.60	5.07	2.51	0.00
37.05	5.07	2.51	0.00	39.65	5.07	2.51	0.00
37.10	5.07	2.51	0.00	39.70	5.07	2.51	0.00
37.15	5.07	2.51	0.00	39.75	5.07	2.51	0.00
37.20	5.07	2.51	0.00	39.80	5.07	2.51	0.00
37.25	5.07	2.51	0.00	39.85	5.07	2.51	0.00
37.30	5.07	2.51	0.00	39.90	5.07	2.51	0.00
37.35	5.07	2.51	0.00	39.95	5.07	2.51	0.00
37.40	5.07	2.51	0.00	40.00	5.07	2.51	0.00
37.45	5.07	2.51	0.00				
37.50	5.07	2.51	0.00				
37.55	5.07	2.51	0.00				
37.60	5.07	2.51	0.00				
37.65	5.07	2.51	0.00				
37.70	5.07	2.51	0.00				
37.75	5.07	2.51	0.00				
37.80	5.07	2.51	0.00				
37.85	5.07	2.51	0.00				
37.90	5.07	2.51	0.00				
37.95	5.07	2.51	0.00				
38.00	5.07	2.51	0.00				
38.05	5.07	2.51	0.00				
38.10	5.07	2.51	0.00				
38.15	5.07	2.51	0.00				
38.20	5.07	2.51	0.00				
38.25	5.07	2.51	0.00				
38.30	5.07	2.51	0.00				
38.35	5.07	2.51	0.00				
38.40	5.07	2.51	0.00				
38.45	5.07	2.51	0.00				
38.50	5.07	2.51	0.00				
38.55	5.07	2.51	0.00				
38.60	5.07	2.51	0.00				
38.65	5.07	2.51	0.00				
38.70	5.07	2.51	0.00				
38.75	5.07	2.51	0.00				
38.80	5.07	2.51	0.00				
38.85	5.07	2.51	0.00				
38.90	5.07	2.51	0.00				
38.95	5.07	2.51	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 3.66 cfs @ 12.16 hrs, Volume= 0.306 af, Depth= 4.83"
 Routed to Link XDA-6O : XDA-6O

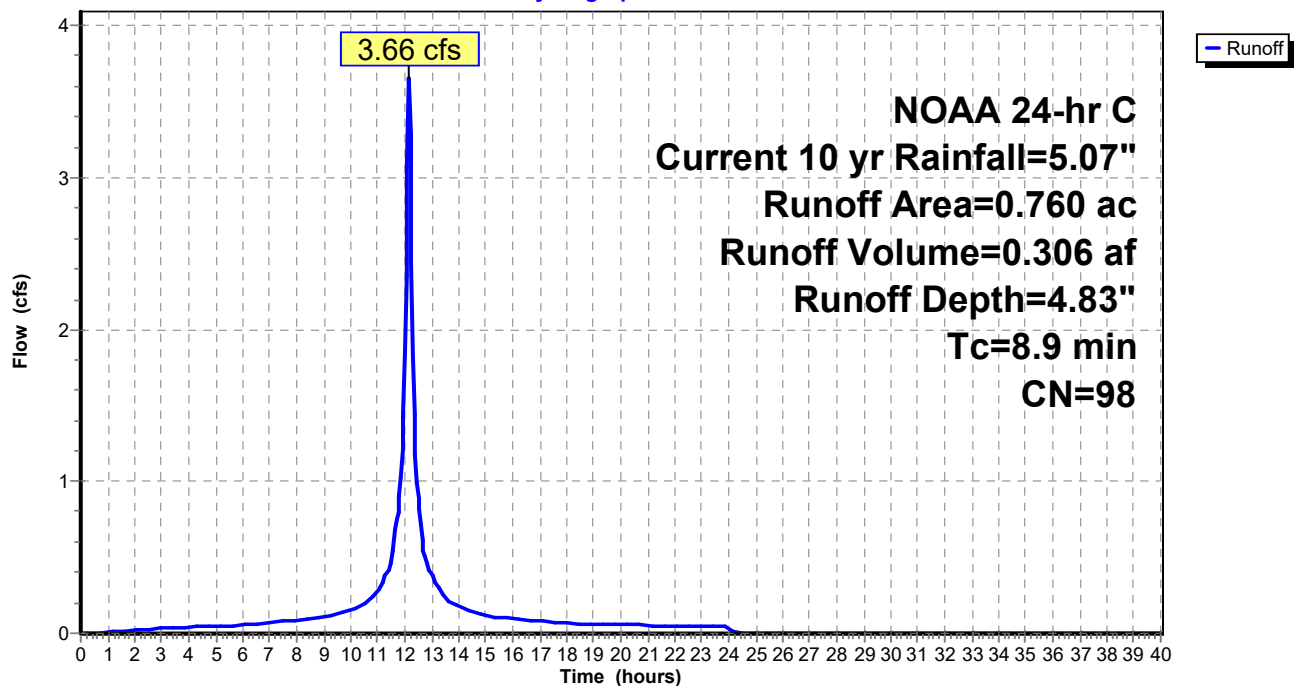
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.08
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.09
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.09
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.09
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.09
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.09
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.09
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.09
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.09
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.09
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.09
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.10
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.10
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.10
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.10
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.10
6.25	0.42	0.25	0.06	8.85	0.72	0.52	0.10
6.30	0.43	0.25	0.06	8.90	0.73	0.53	0.10
6.35	0.43	0.26	0.06	8.95	0.73	0.53	0.10
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.10
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.11
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.11
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.11
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.12
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.12
6.80	0.47	0.29	0.07	9.40	0.80	0.60	0.12
6.85	0.48	0.30	0.07	9.45	0.81	0.61	0.12
6.90	0.48	0.30	0.07	9.50	0.82	0.62	0.13
6.95	0.49	0.31	0.07	9.55	0.83	0.63	0.13
7.00	0.49	0.31	0.07	9.60	0.84	0.64	0.13
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.14
7.10	0.50	0.32	0.07	9.70	0.86	0.66	0.14
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.14
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.14
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.15
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.15
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.15
7.40	0.54	0.35	0.08	10.00	0.92	0.72	0.16
7.45	0.54	0.36	0.08	10.05	0.94	0.73	0.16
7.50	0.55	0.36	0.08	10.10	0.95	0.74	0.16
7.55	0.55	0.37	0.08	10.15	0.96	0.75	0.16
7.60	0.56	0.37	0.08	10.20	0.97	0.76	0.17
7.65	0.57	0.38	0.08	10.25	0.98	0.77	0.17
7.70	0.57	0.38	0.08	10.30	0.99	0.79	0.17
7.75	0.58	0.39	0.08	10.35	1.01	0.80	0.18

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.18	13.00	3.85	3.62	0.39
10.45	1.03	0.82	0.18	13.05	3.87	3.64	0.36
10.50	1.04	0.83	0.19	13.10	3.89	3.66	0.34
10.55	1.06	0.85	0.19	13.15	3.91	3.68	0.32
10.60	1.07	0.86	0.20	13.20	3.93	3.70	0.31
10.65	1.09	0.88	0.21	13.25	3.95	3.71	0.29
10.70	1.10	0.89	0.22	13.30	3.97	3.73	0.28
10.75	1.12	0.91	0.23	13.35	3.98	3.75	0.27
10.80	1.14	0.93	0.24	13.40	4.00	3.76	0.26
10.85	1.16	0.94	0.25	13.45	4.01	3.78	0.25
10.90	1.18	0.96	0.26	13.50	4.03	3.79	0.24
10.95	1.20	0.98	0.27	13.55	4.04	3.80	0.23
11.00	1.22	1.00	0.28	13.60	4.05	3.82	0.22
11.05	1.24	1.02	0.29	13.65	4.06	3.83	0.21
11.10	1.26	1.05	0.31	13.70	4.08	3.84	0.20
11.15	1.29	1.07	0.33	13.75	4.09	3.85	0.19
11.20	1.31	1.10	0.35	13.80	4.10	3.86	0.19
11.25	1.34	1.12	0.37	13.85	4.11	3.88	0.19
11.30	1.37	1.15	0.39	13.90	4.12	3.89	0.18
11.35	1.40	1.18	0.41	13.95	4.13	3.90	0.18
11.40	1.43	1.21	0.43	14.00	4.15	3.91	0.18
11.45	1.47	1.25	0.45	14.05	4.16	3.92	0.17
11.50	1.50	1.28	0.47	14.10	4.17	3.93	0.17
11.55	1.55	1.33	0.50	14.15	4.18	3.94	0.17
11.60	1.60	1.38	0.58	14.20	4.19	3.95	0.17
11.65	1.65	1.43	0.68	14.25	4.20	3.96	0.16
11.70	1.71	1.49	0.74	14.30	4.21	3.97	0.16
11.75	1.78	1.56	0.80	14.35	4.22	3.98	0.16
11.80	1.86	1.63	0.90	14.40	4.23	3.99	0.15
11.85	1.96	1.73	1.03	14.45	4.24	4.00	0.15
11.90	2.06	1.84	1.21	14.50	4.25	4.01	0.15
11.95	2.24	2.01	1.44	14.55	4.26	4.02	0.15
12.00	2.42	2.19	1.84	14.60	4.27	4.03	0.14
12.05	2.71	2.48	2.36	14.65	4.27	4.04	0.14
12.10	3.01	2.78	3.07	14.70	4.28	4.05	0.14
12.15	3.11	2.88	3.65	14.75	4.29	4.06	0.13
12.20	3.21	2.98	3.29	14.80	4.30	4.06	0.13
12.25	3.29	3.05	2.44	14.85	4.31	4.07	0.13
12.30	3.36	3.13	1.82	14.90	4.31	4.08	0.13
12.35	3.42	3.18	1.44	14.95	4.32	4.09	0.12
12.40	3.47	3.24	1.18	15.00	4.33	4.09	0.12
12.45	3.52	3.29	0.99	15.05	4.34	4.10	0.12
12.50	3.57	3.34	0.88	15.10	4.34	4.11	0.11
12.55	3.60	3.37	0.81	15.15	4.35	4.12	0.11
12.60	3.64	3.40	0.71	15.20	4.36	4.12	0.11
12.65	3.67	3.43	0.61	15.25	4.36	4.13	0.11
12.70	3.70	3.47	0.54	15.30	4.37	4.14	0.11
12.75	3.73	3.49	0.50	15.35	4.38	4.14	0.11
12.80	3.76	3.52	0.47	15.40	4.39	4.15	0.11
12.85	3.78	3.55	0.45	15.45	4.39	4.16	0.10
12.90	3.81	3.57	0.43	15.50	4.40	4.16	0.10
12.95	3.83	3.60	0.41	15.55	4.41	4.17	0.10

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.10	18.20	4.68	4.45	0.06
15.65	4.42	4.18	0.10	18.25	4.69	4.45	0.06
15.70	4.42	4.19	0.10	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.10	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.10	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.10	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.10	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.10	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.10	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.06
16.10	4.47	4.24	0.09	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.09	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.09	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.09	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.09	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.09	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.09	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.09	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.09	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.09	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.09	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.08	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.08	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.08	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.08	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.08	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.08	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.08	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.08	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.08	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.08	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.07	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.07	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.07	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.07	20.15	4.83	4.60	0.05
17.60	4.63	4.40	0.07	20.20	4.84	4.60	0.05
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.05
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.05
17.75	4.65	4.41	0.07	20.35	4.85	4.61	0.05
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.06	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.06	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.06	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.05	24.00	5.07	4.83	0.04
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.04
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.03
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.02
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.01
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.04	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.04	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.04	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.04	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.04	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00	39.00	5.07	4.83	0.00
36.45	5.07	4.83	0.00	39.05	5.07	4.83	0.00
36.50	5.07	4.83	0.00	39.10	5.07	4.83	0.00
36.55	5.07	4.83	0.00	39.15	5.07	4.83	0.00
36.60	5.07	4.83	0.00	39.20	5.07	4.83	0.00
36.65	5.07	4.83	0.00	39.25	5.07	4.83	0.00
36.70	5.07	4.83	0.00	39.30	5.07	4.83	0.00
36.75	5.07	4.83	0.00	39.35	5.07	4.83	0.00
36.80	5.07	4.83	0.00	39.40	5.07	4.83	0.00
36.85	5.07	4.83	0.00	39.45	5.07	4.83	0.00
36.90	5.07	4.83	0.00	39.50	5.07	4.83	0.00
36.95	5.07	4.83	0.00	39.55	5.07	4.83	0.00
37.00	5.07	4.83	0.00	39.60	5.07	4.83	0.00
37.05	5.07	4.83	0.00	39.65	5.07	4.83	0.00
37.10	5.07	4.83	0.00	39.70	5.07	4.83	0.00
37.15	5.07	4.83	0.00	39.75	5.07	4.83	0.00
37.20	5.07	4.83	0.00	39.80	5.07	4.83	0.00
37.25	5.07	4.83	0.00	39.85	5.07	4.83	0.00
37.30	5.07	4.83	0.00	39.90	5.07	4.83	0.00
37.35	5.07	4.83	0.00	39.95	5.07	4.83	0.00
37.40	5.07	4.83	0.00	40.00	5.07	4.83	0.00
37.45	5.07	4.83	0.00				
37.50	5.07	4.83	0.00				
37.55	5.07	4.83	0.00				
37.60	5.07	4.83	0.00				
37.65	5.07	4.83	0.00				
37.70	5.07	4.83	0.00				
37.75	5.07	4.83	0.00				
37.80	5.07	4.83	0.00				
37.85	5.07	4.83	0.00				
37.90	5.07	4.83	0.00				
37.95	5.07	4.83	0.00				
38.00	5.07	4.83	0.00				
38.05	5.07	4.83	0.00				
38.10	5.07	4.83	0.00				
38.15	5.07	4.83	0.00				
38.20	5.07	4.83	0.00				
38.25	5.07	4.83	0.00				
38.30	5.07	4.83	0.00				
38.35	5.07	4.83	0.00				
38.40	5.07	4.83	0.00				
38.45	5.07	4.83	0.00				
38.50	5.07	4.83	0.00				
38.55	5.07	4.83	0.00				
38.60	5.07	4.83	0.00				
38.65	5.07	4.83	0.00				
38.70	5.07	4.83	0.00				
38.75	5.07	4.83	0.00				
38.80	5.07	4.83	0.00				
38.85	5.07	4.83	0.00				
38.90	5.07	4.83	0.00				
38.95	5.07	4.83	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 66.16 cfs @ 12.16 hrs, Volume= 4.789 af, Depth= 2.17"
Routed to Link XDA-6 : Existing Drainage Area #6

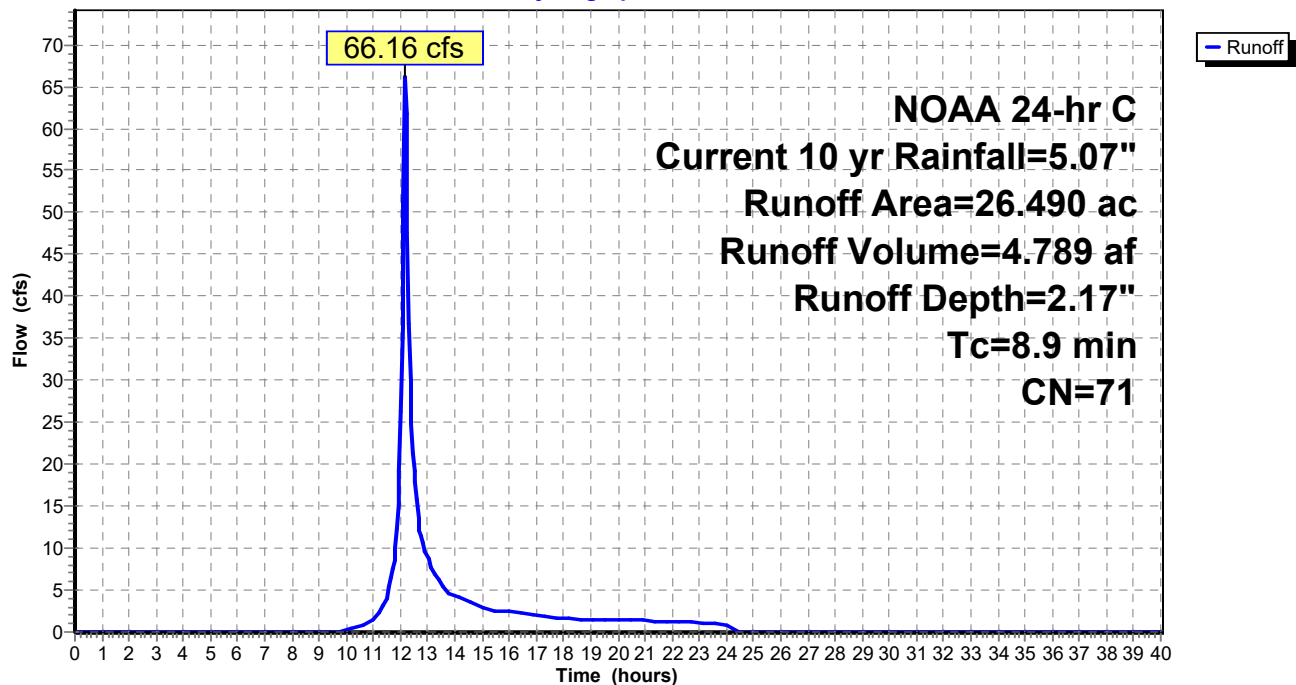
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.03
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.05
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.07
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.10
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.12
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.15
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.18
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.21
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.24
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.28
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.31
7.60	0.56	0.00	0.00	10.20	0.97	0.01	0.35
7.65	0.57	0.00	0.00	10.25	0.98	0.01	0.38
7.70	0.57	0.00	0.00	10.30	0.99	0.01	0.42
7.75	0.58	0.00	0.00	10.35	1.01	0.01	0.46

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.01	0.50	13.00	3.85	1.29	8.95
10.45	1.03	0.01	0.55	13.05	3.87	1.31	8.50
10.50	1.04	0.01	0.59	13.10	3.89	1.32	8.03
10.55	1.06	0.01	0.64	13.15	3.91	1.33	7.60
10.60	1.07	0.02	0.70	13.20	3.93	1.35	7.24
10.65	1.09	0.02	0.77	13.25	3.95	1.36	6.95
10.70	1.10	0.02	0.86	13.30	3.97	1.37	6.68
10.75	1.12	0.02	0.95	13.35	3.98	1.38	6.43
10.80	1.14	0.02	1.05	13.40	4.00	1.39	6.17
10.85	1.16	0.03	1.15	13.45	4.01	1.40	5.92
10.90	1.18	0.03	1.27	13.50	4.03	1.41	5.67
10.95	1.20	0.03	1.39	13.55	4.04	1.42	5.41
11.00	1.22	0.04	1.51	13.60	4.05	1.43	5.16
11.05	1.24	0.04	1.65	13.65	4.06	1.44	4.92
11.10	1.26	0.04	1.83	13.70	4.08	1.45	4.76
11.15	1.29	0.05	2.03	13.75	4.09	1.45	4.66
11.20	1.31	0.05	2.26	13.80	4.10	1.46	4.57
11.25	1.34	0.06	2.50	13.85	4.11	1.47	4.50
11.30	1.37	0.07	2.76	13.90	4.12	1.48	4.44
11.35	1.40	0.07	3.04	13.95	4.13	1.49	4.38
11.40	1.43	0.08	3.34	14.00	4.15	1.49	4.31
11.45	1.47	0.09	3.65	14.05	4.16	1.50	4.24
11.50	1.50	0.10	3.96	14.10	4.17	1.51	4.18
11.55	1.55	0.11	4.39	14.15	4.18	1.52	4.11
11.60	1.60	0.13	5.35	14.20	4.19	1.52	4.05
11.65	1.65	0.14	6.57	14.25	4.20	1.53	3.98
11.70	1.71	0.16	7.57	14.30	4.21	1.54	3.92
11.75	1.78	0.18	8.53	14.35	4.22	1.55	3.85
11.80	1.86	0.21	10.10	14.40	4.23	1.55	3.78
11.85	1.96	0.25	12.24	14.45	4.24	1.56	3.71
11.90	2.06	0.29	15.21	14.50	4.25	1.57	3.65
11.95	2.24	0.37	19.28	14.55	4.26	1.57	3.58
12.00	2.42	0.45	26.35	14.60	4.27	1.58	3.51
12.05	2.71	0.60	36.33	14.65	4.27	1.58	3.44
12.10	3.01	0.77	51.35	14.70	4.28	1.59	3.37
12.15	3.11	0.82	65.39	14.75	4.29	1.60	3.31
12.20	3.21	0.89	61.75	14.80	4.30	1.60	3.24
12.25	3.29	0.93	47.59	14.85	4.31	1.61	3.17
12.30	3.36	0.98	36.66	14.90	4.31	1.61	3.10
12.35	3.42	1.01	29.78	14.95	4.32	1.62	3.03
12.40	3.47	1.04	24.86	15.00	4.33	1.62	2.96
12.45	3.52	1.08	21.30	15.05	4.34	1.63	2.89
12.50	3.57	1.11	19.27	15.10	4.34	1.63	2.82
12.55	3.60	1.13	17.97	15.15	4.35	1.64	2.76
12.60	3.64	1.15	15.90	15.20	4.36	1.64	2.72
12.65	3.67	1.17	13.63	15.25	4.36	1.65	2.69
12.70	3.70	1.19	12.20	15.30	4.37	1.65	2.66
12.75	3.73	1.21	11.40	15.35	4.38	1.66	2.64
12.80	3.76	1.23	10.82	15.40	4.39	1.66	2.63
12.85	3.78	1.25	10.32	15.45	4.39	1.67	2.61
12.90	3.81	1.26	9.85	15.50	4.40	1.67	2.59
12.95	3.83	1.28	9.40	15.55	4.41	1.68	2.58

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.68	2.56	18.20	4.68	1.88	1.61
15.65	4.42	1.69	2.54	18.25	4.69	1.88	1.60
15.70	4.42	1.69	2.52	18.30	4.69	1.89	1.59
15.75	4.43	1.70	2.50	18.35	4.70	1.89	1.59
15.80	4.44	1.70	2.48	18.40	4.70	1.89	1.58
15.85	4.44	1.71	2.47	18.45	4.70	1.90	1.58
15.90	4.45	1.71	2.45	18.50	4.71	1.90	1.58
15.95	4.46	1.71	2.44	18.55	4.71	1.90	1.57
16.00	4.46	1.72	2.42	18.60	4.72	1.90	1.57
16.05	4.47	1.72	2.40	18.65	4.72	1.91	1.56
16.10	4.47	1.73	2.38	18.70	4.72	1.91	1.56
16.15	4.48	1.73	2.36	18.75	4.73	1.91	1.55
16.20	4.49	1.74	2.35	18.80	4.73	1.92	1.55
16.25	4.49	1.74	2.33	18.85	4.74	1.92	1.54
16.30	4.50	1.75	2.31	18.90	4.74	1.92	1.54
16.35	4.50	1.75	2.29	18.95	4.74	1.92	1.54
16.40	4.51	1.75	2.27	19.00	4.75	1.93	1.53
16.45	4.52	1.76	2.26	19.05	4.75	1.93	1.53
16.50	4.52	1.76	2.24	19.10	4.76	1.93	1.52
16.55	4.53	1.77	2.22	19.15	4.76	1.94	1.52
16.60	4.53	1.77	2.20	19.20	4.76	1.94	1.51
16.65	4.54	1.77	2.18	19.25	4.77	1.94	1.51
16.70	4.54	1.78	2.17	19.30	4.77	1.94	1.50
16.75	4.55	1.78	2.15	19.35	4.77	1.95	1.50
16.80	4.55	1.79	2.13	19.40	4.78	1.95	1.50
16.85	4.56	1.79	2.10	19.45	4.78	1.95	1.49
16.90	4.57	1.79	2.09	19.50	4.79	1.96	1.49
16.95	4.57	1.80	2.07	19.55	4.79	1.96	1.48
17.00	4.58	1.80	2.05	19.60	4.79	1.96	1.48
17.05	4.58	1.80	2.04	19.65	4.80	1.96	1.47
17.10	4.59	1.81	2.02	19.70	4.80	1.97	1.47
17.15	4.59	1.81	2.00	19.75	4.80	1.97	1.46
17.20	4.60	1.82	1.98	19.80	4.81	1.97	1.46
17.25	4.60	1.82	1.96	19.85	4.81	1.97	1.46
17.30	4.61	1.82	1.94	19.90	4.81	1.98	1.45
17.35	4.61	1.83	1.92	19.95	4.82	1.98	1.45
17.40	4.61	1.83	1.90	20.00	4.82	1.98	1.44
17.45	4.62	1.83	1.88	20.05	4.83	1.99	1.44
17.50	4.62	1.84	1.87	20.10	4.83	1.99	1.43
17.55	4.63	1.84	1.85	20.15	4.83	1.99	1.43
17.60	4.63	1.84	1.83	20.20	4.84	1.99	1.42
17.65	4.64	1.85	1.81	20.25	4.84	2.00	1.42
17.70	4.64	1.85	1.79	20.30	4.84	2.00	1.41
17.75	4.65	1.85	1.77	20.35	4.85	2.00	1.41
17.80	4.65	1.86	1.75	20.40	4.85	2.00	1.40
17.85	4.66	1.86	1.73	20.45	4.85	2.01	1.40
17.90	4.66	1.86	1.71	20.50	4.86	2.01	1.39
17.95	4.66	1.87	1.70	20.55	4.86	2.01	1.39
18.00	4.67	1.87	1.68	20.60	4.86	2.01	1.39
18.05	4.67	1.87	1.66	20.65	4.87	2.02	1.39
18.10	4.68	1.88	1.64	20.70	4.87	2.02	1.38
18.15	4.68	1.88	1.62	20.75	4.87	2.02	1.37

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.02	1.37	23.40	5.04	2.14	1.12
20.85	4.88	2.03	1.36	23.45	5.04	2.15	1.12
20.90	4.88	2.03	1.36	23.50	5.04	2.15	1.11
20.95	4.89	2.03	1.35	23.55	5.04	2.15	1.11
21.00	4.89	2.03	1.35	23.60	5.05	2.15	1.10
21.05	4.89	2.04	1.34	23.65	5.05	2.15	1.09
21.10	4.90	2.04	1.34	23.70	5.05	2.16	1.09
21.15	4.90	2.04	1.33	23.75	5.06	2.16	1.09
21.20	4.90	2.04	1.33	23.80	5.06	2.16	1.08
21.25	4.91	2.05	1.32	23.85	5.06	2.16	1.08
21.30	4.91	2.05	1.32	23.90	5.06	2.16	1.07
21.35	4.91	2.05	1.32	23.95	5.07	2.17	1.08
21.40	4.92	2.05	1.32	24.00	5.07	2.17	1.14
21.45	4.92	2.06	1.31	24.05	5.07	2.17	1.16
21.50	4.92	2.06	1.30	24.10	5.07	2.17	0.87
21.55	4.93	2.06	1.30	24.15	5.07	2.17	0.44
21.60	4.93	2.06	1.29	24.20	5.07	2.17	0.19
21.65	4.93	2.07	1.29	24.25	5.07	2.17	0.08
21.70	4.94	2.07	1.28	24.30	5.07	2.17	0.04
21.75	4.94	2.07	1.28	24.35	5.07	2.17	0.02
21.80	4.94	2.07	1.27	24.40	5.07	2.17	0.01
21.85	4.95	2.08	1.27	24.45	5.07	2.17	0.00
21.90	4.95	2.08	1.27	24.50	5.07	2.17	0.00
21.95	4.95	2.08	1.26	24.55	5.07	2.17	0.00
22.00	4.96	2.08	1.25	24.60	5.07	2.17	0.00
22.05	4.96	2.09	1.25	24.65	5.07	2.17	0.00
22.10	4.96	2.09	1.24	24.70	5.07	2.17	0.00
22.15	4.96	2.09	1.24	24.75	5.07	2.17	0.00
22.20	4.97	2.09	1.24	24.80	5.07	2.17	0.00
22.25	4.97	2.09	1.23	24.85	5.07	2.17	0.00
22.30	4.97	2.10	1.23	24.90	5.07	2.17	0.00
22.35	4.98	2.10	1.22	24.95	5.07	2.17	0.00
22.40	4.98	2.10	1.22	25.00	5.07	2.17	0.00
22.45	4.98	2.10	1.21	25.05	5.07	2.17	0.00
22.50	4.99	2.11	1.20	25.10	5.07	2.17	0.00
22.55	4.99	2.11	1.20	25.15	5.07	2.17	0.00
22.60	4.99	2.11	1.20	25.20	5.07	2.17	0.00
22.65	4.99	2.11	1.20	25.25	5.07	2.17	0.00
22.70	5.00	2.11	1.19	25.30	5.07	2.17	0.00
22.75	5.00	2.12	1.18	25.35	5.07	2.17	0.00
22.80	5.00	2.12	1.18	25.40	5.07	2.17	0.00
22.85	5.01	2.12	1.17	25.45	5.07	2.17	0.00
22.90	5.01	2.12	1.17	25.50	5.07	2.17	0.00
22.95	5.01	2.13	1.16	25.55	5.07	2.17	0.00
23.00	5.01	2.13	1.16	25.60	5.07	2.17	0.00
23.05	5.02	2.13	1.16	25.65	5.07	2.17	0.00
23.10	5.02	2.13	1.15	25.70	5.07	2.17	0.00
23.15	5.02	2.13	1.14	25.75	5.07	2.17	0.00
23.20	5.03	2.14	1.14	25.80	5.07	2.17	0.00
23.25	5.03	2.14	1.13	25.85	5.07	2.17	0.00
23.30	5.03	2.14	1.13	25.90	5.07	2.17	0.00
23.35	5.03	2.14	1.12	25.95	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.17	0.00	28.60	5.07	2.17	0.00
26.05	5.07	2.17	0.00	28.65	5.07	2.17	0.00
26.10	5.07	2.17	0.00	28.70	5.07	2.17	0.00
26.15	5.07	2.17	0.00	28.75	5.07	2.17	0.00
26.20	5.07	2.17	0.00	28.80	5.07	2.17	0.00
26.25	5.07	2.17	0.00	28.85	5.07	2.17	0.00
26.30	5.07	2.17	0.00	28.90	5.07	2.17	0.00
26.35	5.07	2.17	0.00	28.95	5.07	2.17	0.00
26.40	5.07	2.17	0.00	29.00	5.07	2.17	0.00
26.45	5.07	2.17	0.00	29.05	5.07	2.17	0.00
26.50	5.07	2.17	0.00	29.10	5.07	2.17	0.00
26.55	5.07	2.17	0.00	29.15	5.07	2.17	0.00
26.60	5.07	2.17	0.00	29.20	5.07	2.17	0.00
26.65	5.07	2.17	0.00	29.25	5.07	2.17	0.00
26.70	5.07	2.17	0.00	29.30	5.07	2.17	0.00
26.75	5.07	2.17	0.00	29.35	5.07	2.17	0.00
26.80	5.07	2.17	0.00	29.40	5.07	2.17	0.00
26.85	5.07	2.17	0.00	29.45	5.07	2.17	0.00
26.90	5.07	2.17	0.00	29.50	5.07	2.17	0.00
26.95	5.07	2.17	0.00	29.55	5.07	2.17	0.00
27.00	5.07	2.17	0.00	29.60	5.07	2.17	0.00
27.05	5.07	2.17	0.00	29.65	5.07	2.17	0.00
27.10	5.07	2.17	0.00	29.70	5.07	2.17	0.00
27.15	5.07	2.17	0.00	29.75	5.07	2.17	0.00
27.20	5.07	2.17	0.00	29.80	5.07	2.17	0.00
27.25	5.07	2.17	0.00	29.85	5.07	2.17	0.00
27.30	5.07	2.17	0.00	29.90	5.07	2.17	0.00
27.35	5.07	2.17	0.00	29.95	5.07	2.17	0.00
27.40	5.07	2.17	0.00	30.00	5.07	2.17	0.00
27.45	5.07	2.17	0.00	30.05	5.07	2.17	0.00
27.50	5.07	2.17	0.00	30.10	5.07	2.17	0.00
27.55	5.07	2.17	0.00	30.15	5.07	2.17	0.00
27.60	5.07	2.17	0.00	30.20	5.07	2.17	0.00
27.65	5.07	2.17	0.00	30.25	5.07	2.17	0.00
27.70	5.07	2.17	0.00	30.30	5.07	2.17	0.00
27.75	5.07	2.17	0.00	30.35	5.07	2.17	0.00
27.80	5.07	2.17	0.00	30.40	5.07	2.17	0.00
27.85	5.07	2.17	0.00	30.45	5.07	2.17	0.00
27.90	5.07	2.17	0.00	30.50	5.07	2.17	0.00
27.95	5.07	2.17	0.00	30.55	5.07	2.17	0.00
28.00	5.07	2.17	0.00	30.60	5.07	2.17	0.00
28.05	5.07	2.17	0.00	30.65	5.07	2.17	0.00
28.10	5.07	2.17	0.00	30.70	5.07	2.17	0.00
28.15	5.07	2.17	0.00	30.75	5.07	2.17	0.00
28.20	5.07	2.17	0.00	30.80	5.07	2.17	0.00
28.25	5.07	2.17	0.00	30.85	5.07	2.17	0.00
28.30	5.07	2.17	0.00	30.90	5.07	2.17	0.00
28.35	5.07	2.17	0.00	30.95	5.07	2.17	0.00
28.40	5.07	2.17	0.00	31.00	5.07	2.17	0.00
28.45	5.07	2.17	0.00	31.05	5.07	2.17	0.00
28.50	5.07	2.17	0.00	31.10	5.07	2.17	0.00
28.55	5.07	2.17	0.00	31.15	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.17	0.00	33.80	5.07	2.17	0.00
31.25	5.07	2.17	0.00	33.85	5.07	2.17	0.00
31.30	5.07	2.17	0.00	33.90	5.07	2.17	0.00
31.35	5.07	2.17	0.00	33.95	5.07	2.17	0.00
31.40	5.07	2.17	0.00	34.00	5.07	2.17	0.00
31.45	5.07	2.17	0.00	34.05	5.07	2.17	0.00
31.50	5.07	2.17	0.00	34.10	5.07	2.17	0.00
31.55	5.07	2.17	0.00	34.15	5.07	2.17	0.00
31.60	5.07	2.17	0.00	34.20	5.07	2.17	0.00
31.65	5.07	2.17	0.00	34.25	5.07	2.17	0.00
31.70	5.07	2.17	0.00	34.30	5.07	2.17	0.00
31.75	5.07	2.17	0.00	34.35	5.07	2.17	0.00
31.80	5.07	2.17	0.00	34.40	5.07	2.17	0.00
31.85	5.07	2.17	0.00	34.45	5.07	2.17	0.00
31.90	5.07	2.17	0.00	34.50	5.07	2.17	0.00
31.95	5.07	2.17	0.00	34.55	5.07	2.17	0.00
32.00	5.07	2.17	0.00	34.60	5.07	2.17	0.00
32.05	5.07	2.17	0.00	34.65	5.07	2.17	0.00
32.10	5.07	2.17	0.00	34.70	5.07	2.17	0.00
32.15	5.07	2.17	0.00	34.75	5.07	2.17	0.00
32.20	5.07	2.17	0.00	34.80	5.07	2.17	0.00
32.25	5.07	2.17	0.00	34.85	5.07	2.17	0.00
32.30	5.07	2.17	0.00	34.90	5.07	2.17	0.00
32.35	5.07	2.17	0.00	34.95	5.07	2.17	0.00
32.40	5.07	2.17	0.00	35.00	5.07	2.17	0.00
32.45	5.07	2.17	0.00	35.05	5.07	2.17	0.00
32.50	5.07	2.17	0.00	35.10	5.07	2.17	0.00
32.55	5.07	2.17	0.00	35.15	5.07	2.17	0.00
32.60	5.07	2.17	0.00	35.20	5.07	2.17	0.00
32.65	5.07	2.17	0.00	35.25	5.07	2.17	0.00
32.70	5.07	2.17	0.00	35.30	5.07	2.17	0.00
32.75	5.07	2.17	0.00	35.35	5.07	2.17	0.00
32.80	5.07	2.17	0.00	35.40	5.07	2.17	0.00
32.85	5.07	2.17	0.00	35.45	5.07	2.17	0.00
32.90	5.07	2.17	0.00	35.50	5.07	2.17	0.00
32.95	5.07	2.17	0.00	35.55	5.07	2.17	0.00
33.00	5.07	2.17	0.00	35.60	5.07	2.17	0.00
33.05	5.07	2.17	0.00	35.65	5.07	2.17	0.00
33.10	5.07	2.17	0.00	35.70	5.07	2.17	0.00
33.15	5.07	2.17	0.00	35.75	5.07	2.17	0.00
33.20	5.07	2.17	0.00	35.80	5.07	2.17	0.00
33.25	5.07	2.17	0.00	35.85	5.07	2.17	0.00
33.30	5.07	2.17	0.00	35.90	5.07	2.17	0.00
33.35	5.07	2.17	0.00	35.95	5.07	2.17	0.00
33.40	5.07	2.17	0.00	36.00	5.07	2.17	0.00
33.45	5.07	2.17	0.00	36.05	5.07	2.17	0.00
33.50	5.07	2.17	0.00	36.10	5.07	2.17	0.00
33.55	5.07	2.17	0.00	36.15	5.07	2.17	0.00
33.60	5.07	2.17	0.00	36.20	5.07	2.17	0.00
33.65	5.07	2.17	0.00	36.25	5.07	2.17	0.00
33.70	5.07	2.17	0.00	36.30	5.07	2.17	0.00
33.75	5.07	2.17	0.00	36.35	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.17	0.00	39.00	5.07	2.17	0.00
36.45	5.07	2.17	0.00	39.05	5.07	2.17	0.00
36.50	5.07	2.17	0.00	39.10	5.07	2.17	0.00
36.55	5.07	2.17	0.00	39.15	5.07	2.17	0.00
36.60	5.07	2.17	0.00	39.20	5.07	2.17	0.00
36.65	5.07	2.17	0.00	39.25	5.07	2.17	0.00
36.70	5.07	2.17	0.00	39.30	5.07	2.17	0.00
36.75	5.07	2.17	0.00	39.35	5.07	2.17	0.00
36.80	5.07	2.17	0.00	39.40	5.07	2.17	0.00
36.85	5.07	2.17	0.00	39.45	5.07	2.17	0.00
36.90	5.07	2.17	0.00	39.50	5.07	2.17	0.00
36.95	5.07	2.17	0.00	39.55	5.07	2.17	0.00
37.00	5.07	2.17	0.00	39.60	5.07	2.17	0.00
37.05	5.07	2.17	0.00	39.65	5.07	2.17	0.00
37.10	5.07	2.17	0.00	39.70	5.07	2.17	0.00
37.15	5.07	2.17	0.00	39.75	5.07	2.17	0.00
37.20	5.07	2.17	0.00	39.80	5.07	2.17	0.00
37.25	5.07	2.17	0.00	39.85	5.07	2.17	0.00
37.30	5.07	2.17	0.00	39.90	5.07	2.17	0.00
37.35	5.07	2.17	0.00	39.95	5.07	2.17	0.00
37.40	5.07	2.17	0.00	40.00	5.07	2.17	0.00
37.45	5.07	2.17	0.00				
37.50	5.07	2.17	0.00				
37.55	5.07	2.17	0.00				
37.60	5.07	2.17	0.00				
37.65	5.07	2.17	0.00				
37.70	5.07	2.17	0.00				
37.75	5.07	2.17	0.00				
37.80	5.07	2.17	0.00				
37.85	5.07	2.17	0.00				
37.90	5.07	2.17	0.00				
37.95	5.07	2.17	0.00				
38.00	5.07	2.17	0.00				
38.05	5.07	2.17	0.00				
38.10	5.07	2.17	0.00				
38.15	5.07	2.17	0.00				
38.20	5.07	2.17	0.00				
38.25	5.07	2.17	0.00				
38.30	5.07	2.17	0.00				
38.35	5.07	2.17	0.00				
38.40	5.07	2.17	0.00				
38.45	5.07	2.17	0.00				
38.50	5.07	2.17	0.00				
38.55	5.07	2.17	0.00				
38.60	5.07	2.17	0.00				
38.65	5.07	2.17	0.00				
38.70	5.07	2.17	0.00				
38.75	5.07	2.17	0.00				
38.80	5.07	2.17	0.00				
38.85	5.07	2.17	0.00				
38.90	5.07	2.17	0.00				
38.95	5.07	2.17	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 71.55 cfs @ 12.17 hrs, Volume= 5.193 af, Depth= 2.09"
Routed to Link XDA-6O : XDA-6O

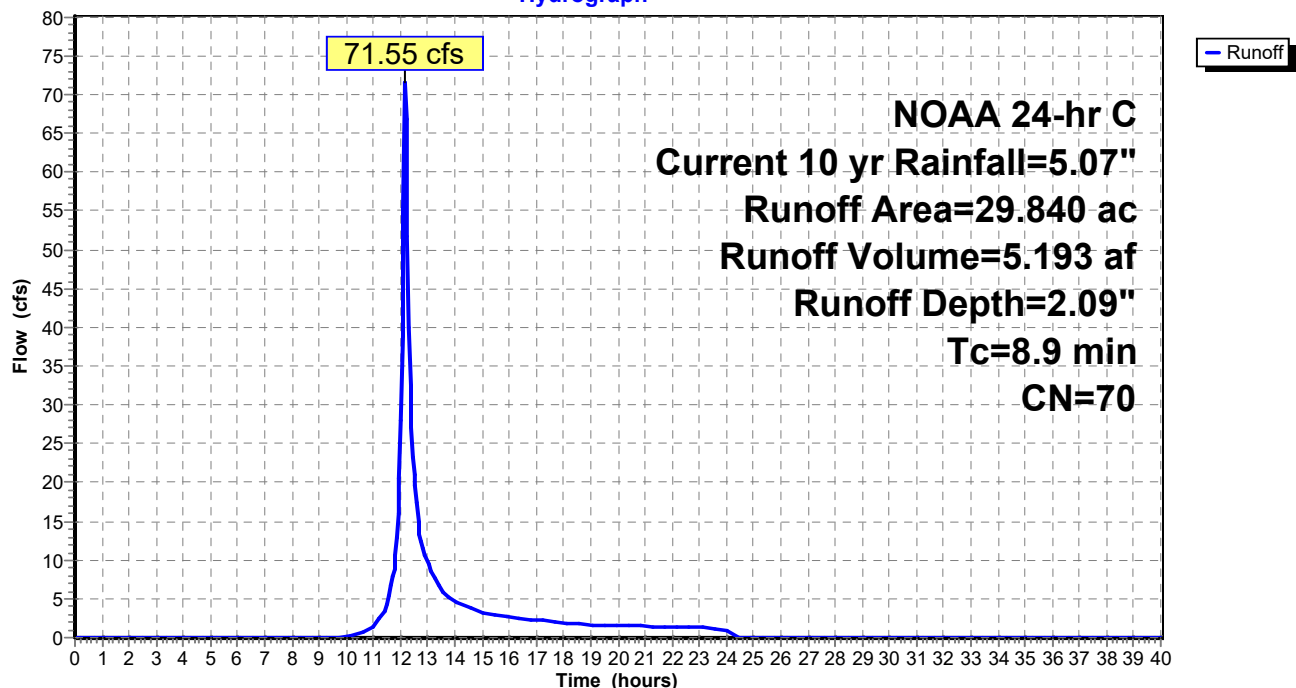
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.05
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.08
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.11
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.14
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.18
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.22
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.25
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.29
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.33
7.75	0.58	0.00	0.00	10.35	1.01	0.01	0.37

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.01	0.42	13.00	3.85	1.23	9.81
10.45	1.03	0.01	0.46	13.05	3.87	1.25	9.32
10.50	1.04	0.01	0.51	13.10	3.89	1.26	8.81
10.55	1.06	0.01	0.56	13.15	3.91	1.27	8.34
10.60	1.07	0.01	0.62	13.20	3.93	1.28	7.95
10.65	1.09	0.01	0.70	13.25	3.95	1.30	7.63
10.70	1.10	0.01	0.79	13.30	3.97	1.31	7.34
10.75	1.12	0.02	0.88	13.35	3.98	1.32	7.06
10.80	1.14	0.02	0.98	13.40	4.00	1.33	6.78
10.85	1.16	0.02	1.09	13.45	4.01	1.34	6.50
10.90	1.18	0.02	1.21	13.50	4.03	1.35	6.22
10.95	1.20	0.02	1.33	13.55	4.04	1.36	5.95
11.00	1.22	0.03	1.46	13.60	4.05	1.36	5.67
11.05	1.24	0.03	1.61	13.65	4.06	1.37	5.41
11.10	1.26	0.04	1.79	13.70	4.08	1.38	5.23
11.15	1.29	0.04	2.00	13.75	4.09	1.39	5.12
11.20	1.31	0.04	2.24	13.80	4.10	1.40	5.03
11.25	1.34	0.05	2.49	13.85	4.11	1.40	4.95
11.30	1.37	0.05	2.77	13.90	4.12	1.41	4.88
11.35	1.40	0.06	3.06	13.95	4.13	1.42	4.81
11.40	1.43	0.07	3.38	14.00	4.15	1.43	4.74
11.45	1.47	0.08	3.71	14.05	4.16	1.44	4.67
11.50	1.50	0.08	4.05	14.10	4.17	1.44	4.59
11.55	1.55	0.10	4.51	14.15	4.18	1.45	4.52
11.60	1.60	0.11	5.52	14.20	4.19	1.46	4.45
11.65	1.65	0.13	6.80	14.25	4.20	1.46	4.38
11.70	1.71	0.14	7.87	14.30	4.21	1.47	4.31
11.75	1.78	0.16	8.90	14.35	4.22	1.48	4.23
11.80	1.86	0.19	10.59	14.40	4.23	1.48	4.16
11.85	1.96	0.23	12.88	14.45	4.24	1.49	4.09
11.90	2.06	0.26	16.07	14.50	4.25	1.50	4.01
11.95	2.24	0.34	20.45	14.55	4.26	1.50	3.94
12.00	2.42	0.42	28.08	14.60	4.27	1.51	3.87
12.05	2.71	0.56	38.90	14.65	4.27	1.52	3.79
12.10	3.01	0.72	55.26	14.70	4.28	1.52	3.71
12.15	3.11	0.78	70.66	14.75	4.29	1.53	3.64
12.20	3.21	0.84	66.92	14.80	4.30	1.53	3.56
12.25	3.29	0.88	51.67	14.85	4.31	1.54	3.49
12.30	3.36	0.92	39.89	14.90	4.31	1.54	3.42
12.35	3.42	0.96	32.45	14.95	4.32	1.55	3.34
12.40	3.47	0.99	27.12	15.00	4.33	1.55	3.26
12.45	3.52	1.02	23.26	15.05	4.34	1.56	3.18
12.50	3.57	1.05	21.06	15.10	4.34	1.56	3.11
12.55	3.60	1.07	19.65	15.15	4.35	1.57	3.04
12.60	3.64	1.09	17.40	15.20	4.36	1.57	2.99
12.65	3.67	1.11	14.92	15.25	4.36	1.58	2.96
12.70	3.70	1.13	13.36	15.30	4.37	1.58	2.93
12.75	3.73	1.15	12.49	15.35	4.38	1.59	2.91
12.80	3.76	1.17	11.85	15.40	4.39	1.59	2.89
12.85	3.78	1.19	11.31	15.45	4.39	1.60	2.88
12.90	3.81	1.20	10.80	15.50	4.40	1.60	2.86
12.95	3.83	1.22	10.31	15.55	4.41	1.61	2.84

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.61	2.82	18.20	4.68	1.81	1.77
15.65	4.42	1.62	2.80	18.25	4.69	1.81	1.77
15.70	4.42	1.62	2.78	18.30	4.69	1.81	1.76
15.75	4.43	1.63	2.76	18.35	4.70	1.81	1.75
15.80	4.44	1.63	2.74	18.40	4.70	1.82	1.75
15.85	4.44	1.63	2.72	18.45	4.70	1.82	1.74
15.90	4.45	1.64	2.70	18.50	4.71	1.82	1.74
15.95	4.46	1.64	2.68	18.55	4.71	1.83	1.73
16.00	4.46	1.65	2.66	18.60	4.72	1.83	1.73
16.05	4.47	1.65	2.64	18.65	4.72	1.83	1.72
16.10	4.47	1.66	2.62	18.70	4.72	1.83	1.72
16.15	4.48	1.66	2.61	18.75	4.73	1.84	1.71
16.20	4.49	1.66	2.59	18.80	4.73	1.84	1.71
16.25	4.49	1.67	2.57	18.85	4.74	1.84	1.70
16.30	4.50	1.67	2.55	18.90	4.74	1.85	1.70
16.35	4.50	1.68	2.52	18.95	4.74	1.85	1.69
16.40	4.51	1.68	2.50	19.00	4.75	1.85	1.69
16.45	4.52	1.68	2.49	19.05	4.75	1.85	1.68
16.50	4.52	1.69	2.46	19.10	4.76	1.86	1.68
16.55	4.53	1.69	2.44	19.15	4.76	1.86	1.67
16.60	4.53	1.70	2.42	19.20	4.76	1.86	1.67
16.65	4.54	1.70	2.40	19.25	4.77	1.86	1.67
16.70	4.54	1.70	2.39	19.30	4.77	1.87	1.66
16.75	4.55	1.71	2.37	19.35	4.77	1.87	1.66
16.80	4.55	1.71	2.34	19.40	4.78	1.87	1.65
16.85	4.56	1.72	2.32	19.45	4.78	1.88	1.65
16.90	4.57	1.72	2.30	19.50	4.79	1.88	1.64
16.95	4.57	1.72	2.28	19.55	4.79	1.88	1.64
17.00	4.58	1.73	2.26	19.60	4.79	1.88	1.63
17.05	4.58	1.73	2.24	19.65	4.80	1.89	1.63
17.10	4.59	1.73	2.22	19.70	4.80	1.89	1.62
17.15	4.59	1.74	2.20	19.75	4.80	1.89	1.62
17.20	4.60	1.74	2.18	19.80	4.81	1.89	1.61
17.25	4.60	1.75	2.16	19.85	4.81	1.90	1.61
17.30	4.61	1.75	2.14	19.90	4.81	1.90	1.61
17.35	4.61	1.75	2.11	19.95	4.82	1.90	1.60
17.40	4.61	1.76	2.09	20.00	4.82	1.91	1.59
17.45	4.62	1.76	2.08	20.05	4.83	1.91	1.59
17.50	4.62	1.76	2.06	20.10	4.83	1.91	1.58
17.55	4.63	1.77	2.04	20.15	4.83	1.91	1.57
17.60	4.63	1.77	2.02	20.20	4.84	1.92	1.57
17.65	4.64	1.77	2.00	20.25	4.84	1.92	1.56
17.70	4.64	1.78	1.97	20.30	4.84	1.92	1.56
17.75	4.65	1.78	1.95	20.35	4.85	1.92	1.55
17.80	4.65	1.78	1.93	20.40	4.85	1.93	1.55
17.85	4.66	1.78	1.91	20.45	4.85	1.93	1.54
17.90	4.66	1.79	1.89	20.50	4.86	1.93	1.54
17.95	4.66	1.79	1.87	20.55	4.86	1.93	1.53
18.00	4.67	1.79	1.85	20.60	4.86	1.94	1.53
18.05	4.67	1.80	1.83	20.65	4.87	1.94	1.53
18.10	4.68	1.80	1.81	20.70	4.87	1.94	1.52
18.15	4.68	1.80	1.79	20.75	4.87	1.94	1.52

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.95	1.51	23.40	5.04	2.06	1.24
20.85	4.88	1.95	1.50	23.45	5.04	2.07	1.24
20.90	4.88	1.95	1.50	23.50	5.04	2.07	1.23
20.95	4.89	1.95	1.49	23.55	5.04	2.07	1.22
21.00	4.89	1.96	1.49	23.60	5.05	2.07	1.21
21.05	4.89	1.96	1.48	23.65	5.05	2.07	1.21
21.10	4.90	1.96	1.48	23.70	5.05	2.08	1.21
21.15	4.90	1.96	1.47	23.75	5.06	2.08	1.20
21.20	4.90	1.97	1.47	23.80	5.06	2.08	1.20
21.25	4.91	1.97	1.46	23.85	5.06	2.08	1.19
21.30	4.91	1.97	1.46	23.90	5.06	2.08	1.18
21.35	4.91	1.97	1.46	23.95	5.07	2.09	1.19
21.40	4.92	1.98	1.45	24.00	5.07	2.09	1.26
21.45	4.92	1.98	1.44	24.05	5.07	2.09	1.28
21.50	4.92	1.98	1.44	24.10	5.07	2.09	0.96
21.55	4.93	1.98	1.43	24.15	5.07	2.09	0.49
21.60	4.93	1.98	1.43	24.20	5.07	2.09	0.21
21.65	4.93	1.99	1.42	24.25	5.07	2.09	0.09
21.70	4.94	1.99	1.42	24.30	5.07	2.09	0.04
21.75	4.94	1.99	1.41	24.35	5.07	2.09	0.02
21.80	4.94	1.99	1.41	24.40	5.07	2.09	0.01
21.85	4.95	2.00	1.41	24.45	5.07	2.09	0.00
21.90	4.95	2.00	1.40	24.50	5.07	2.09	0.00
21.95	4.95	2.00	1.39	24.55	5.07	2.09	0.00
22.00	4.96	2.00	1.39	24.60	5.07	2.09	0.00
22.05	4.96	2.01	1.38	24.65	5.07	2.09	0.00
22.10	4.96	2.01	1.37	24.70	5.07	2.09	0.00
22.15	4.96	2.01	1.37	24.75	5.07	2.09	0.00
22.20	4.97	2.01	1.37	24.80	5.07	2.09	0.00
22.25	4.97	2.01	1.36	24.85	5.07	2.09	0.00
22.30	4.97	2.02	1.36	24.90	5.07	2.09	0.00
22.35	4.98	2.02	1.35	24.95	5.07	2.09	0.00
22.40	4.98	2.02	1.34	25.00	5.07	2.09	0.00
22.45	4.98	2.02	1.34	25.05	5.07	2.09	0.00
22.50	4.99	2.03	1.33	25.10	5.07	2.09	0.00
22.55	4.99	2.03	1.33	25.15	5.07	2.09	0.00
22.60	4.99	2.03	1.32	25.20	5.07	2.09	0.00
22.65	4.99	2.03	1.32	25.25	5.07	2.09	0.00
22.70	5.00	2.03	1.32	25.30	5.07	2.09	0.00
22.75	5.00	2.04	1.31	25.35	5.07	2.09	0.00
22.80	5.00	2.04	1.30	25.40	5.07	2.09	0.00
22.85	5.01	2.04	1.29	25.45	5.07	2.09	0.00
22.90	5.01	2.04	1.29	25.50	5.07	2.09	0.00
22.95	5.01	2.05	1.28	25.55	5.07	2.09	0.00
23.00	5.01	2.05	1.28	25.60	5.07	2.09	0.00
23.05	5.02	2.05	1.28	25.65	5.07	2.09	0.00
23.10	5.02	2.05	1.27	25.70	5.07	2.09	0.00
23.15	5.02	2.05	1.26	25.75	5.07	2.09	0.00
23.20	5.03	2.06	1.26	25.80	5.07	2.09	0.00
23.25	5.03	2.06	1.25	25.85	5.07	2.09	0.00
23.30	5.03	2.06	1.25	25.90	5.07	2.09	0.00
23.35	5.03	2.06	1.24	25.95	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.09	0.00	28.60	5.07	2.09	0.00
26.05	5.07	2.09	0.00	28.65	5.07	2.09	0.00
26.10	5.07	2.09	0.00	28.70	5.07	2.09	0.00
26.15	5.07	2.09	0.00	28.75	5.07	2.09	0.00
26.20	5.07	2.09	0.00	28.80	5.07	2.09	0.00
26.25	5.07	2.09	0.00	28.85	5.07	2.09	0.00
26.30	5.07	2.09	0.00	28.90	5.07	2.09	0.00
26.35	5.07	2.09	0.00	28.95	5.07	2.09	0.00
26.40	5.07	2.09	0.00	29.00	5.07	2.09	0.00
26.45	5.07	2.09	0.00	29.05	5.07	2.09	0.00
26.50	5.07	2.09	0.00	29.10	5.07	2.09	0.00
26.55	5.07	2.09	0.00	29.15	5.07	2.09	0.00
26.60	5.07	2.09	0.00	29.20	5.07	2.09	0.00
26.65	5.07	2.09	0.00	29.25	5.07	2.09	0.00
26.70	5.07	2.09	0.00	29.30	5.07	2.09	0.00
26.75	5.07	2.09	0.00	29.35	5.07	2.09	0.00
26.80	5.07	2.09	0.00	29.40	5.07	2.09	0.00
26.85	5.07	2.09	0.00	29.45	5.07	2.09	0.00
26.90	5.07	2.09	0.00	29.50	5.07	2.09	0.00
26.95	5.07	2.09	0.00	29.55	5.07	2.09	0.00
27.00	5.07	2.09	0.00	29.60	5.07	2.09	0.00
27.05	5.07	2.09	0.00	29.65	5.07	2.09	0.00
27.10	5.07	2.09	0.00	29.70	5.07	2.09	0.00
27.15	5.07	2.09	0.00	29.75	5.07	2.09	0.00
27.20	5.07	2.09	0.00	29.80	5.07	2.09	0.00
27.25	5.07	2.09	0.00	29.85	5.07	2.09	0.00
27.30	5.07	2.09	0.00	29.90	5.07	2.09	0.00
27.35	5.07	2.09	0.00	29.95	5.07	2.09	0.00
27.40	5.07	2.09	0.00	30.00	5.07	2.09	0.00
27.45	5.07	2.09	0.00	30.05	5.07	2.09	0.00
27.50	5.07	2.09	0.00	30.10	5.07	2.09	0.00
27.55	5.07	2.09	0.00	30.15	5.07	2.09	0.00
27.60	5.07	2.09	0.00	30.20	5.07	2.09	0.00
27.65	5.07	2.09	0.00	30.25	5.07	2.09	0.00
27.70	5.07	2.09	0.00	30.30	5.07	2.09	0.00
27.75	5.07	2.09	0.00	30.35	5.07	2.09	0.00
27.80	5.07	2.09	0.00	30.40	5.07	2.09	0.00
27.85	5.07	2.09	0.00	30.45	5.07	2.09	0.00
27.90	5.07	2.09	0.00	30.50	5.07	2.09	0.00
27.95	5.07	2.09	0.00	30.55	5.07	2.09	0.00
28.00	5.07	2.09	0.00	30.60	5.07	2.09	0.00
28.05	5.07	2.09	0.00	30.65	5.07	2.09	0.00
28.10	5.07	2.09	0.00	30.70	5.07	2.09	0.00
28.15	5.07	2.09	0.00	30.75	5.07	2.09	0.00
28.20	5.07	2.09	0.00	30.80	5.07	2.09	0.00
28.25	5.07	2.09	0.00	30.85	5.07	2.09	0.00
28.30	5.07	2.09	0.00	30.90	5.07	2.09	0.00
28.35	5.07	2.09	0.00	30.95	5.07	2.09	0.00
28.40	5.07	2.09	0.00	31.00	5.07	2.09	0.00
28.45	5.07	2.09	0.00	31.05	5.07	2.09	0.00
28.50	5.07	2.09	0.00	31.10	5.07	2.09	0.00
28.55	5.07	2.09	0.00	31.15	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.09	0.00	33.80	5.07	2.09	0.00
31.25	5.07	2.09	0.00	33.85	5.07	2.09	0.00
31.30	5.07	2.09	0.00	33.90	5.07	2.09	0.00
31.35	5.07	2.09	0.00	33.95	5.07	2.09	0.00
31.40	5.07	2.09	0.00	34.00	5.07	2.09	0.00
31.45	5.07	2.09	0.00	34.05	5.07	2.09	0.00
31.50	5.07	2.09	0.00	34.10	5.07	2.09	0.00
31.55	5.07	2.09	0.00	34.15	5.07	2.09	0.00
31.60	5.07	2.09	0.00	34.20	5.07	2.09	0.00
31.65	5.07	2.09	0.00	34.25	5.07	2.09	0.00
31.70	5.07	2.09	0.00	34.30	5.07	2.09	0.00
31.75	5.07	2.09	0.00	34.35	5.07	2.09	0.00
31.80	5.07	2.09	0.00	34.40	5.07	2.09	0.00
31.85	5.07	2.09	0.00	34.45	5.07	2.09	0.00
31.90	5.07	2.09	0.00	34.50	5.07	2.09	0.00
31.95	5.07	2.09	0.00	34.55	5.07	2.09	0.00
32.00	5.07	2.09	0.00	34.60	5.07	2.09	0.00
32.05	5.07	2.09	0.00	34.65	5.07	2.09	0.00
32.10	5.07	2.09	0.00	34.70	5.07	2.09	0.00
32.15	5.07	2.09	0.00	34.75	5.07	2.09	0.00
32.20	5.07	2.09	0.00	34.80	5.07	2.09	0.00
32.25	5.07	2.09	0.00	34.85	5.07	2.09	0.00
32.30	5.07	2.09	0.00	34.90	5.07	2.09	0.00
32.35	5.07	2.09	0.00	34.95	5.07	2.09	0.00
32.40	5.07	2.09	0.00	35.00	5.07	2.09	0.00
32.45	5.07	2.09	0.00	35.05	5.07	2.09	0.00
32.50	5.07	2.09	0.00	35.10	5.07	2.09	0.00
32.55	5.07	2.09	0.00	35.15	5.07	2.09	0.00
32.60	5.07	2.09	0.00	35.20	5.07	2.09	0.00
32.65	5.07	2.09	0.00	35.25	5.07	2.09	0.00
32.70	5.07	2.09	0.00	35.30	5.07	2.09	0.00
32.75	5.07	2.09	0.00	35.35	5.07	2.09	0.00
32.80	5.07	2.09	0.00	35.40	5.07	2.09	0.00
32.85	5.07	2.09	0.00	35.45	5.07	2.09	0.00
32.90	5.07	2.09	0.00	35.50	5.07	2.09	0.00
32.95	5.07	2.09	0.00	35.55	5.07	2.09	0.00
33.00	5.07	2.09	0.00	35.60	5.07	2.09	0.00
33.05	5.07	2.09	0.00	35.65	5.07	2.09	0.00
33.10	5.07	2.09	0.00	35.70	5.07	2.09	0.00
33.15	5.07	2.09	0.00	35.75	5.07	2.09	0.00
33.20	5.07	2.09	0.00	35.80	5.07	2.09	0.00
33.25	5.07	2.09	0.00	35.85	5.07	2.09	0.00
33.30	5.07	2.09	0.00	35.90	5.07	2.09	0.00
33.35	5.07	2.09	0.00	35.95	5.07	2.09	0.00
33.40	5.07	2.09	0.00	36.00	5.07	2.09	0.00
33.45	5.07	2.09	0.00	36.05	5.07	2.09	0.00
33.50	5.07	2.09	0.00	36.10	5.07	2.09	0.00
33.55	5.07	2.09	0.00	36.15	5.07	2.09	0.00
33.60	5.07	2.09	0.00	36.20	5.07	2.09	0.00
33.65	5.07	2.09	0.00	36.25	5.07	2.09	0.00
33.70	5.07	2.09	0.00	36.30	5.07	2.09	0.00
33.75	5.07	2.09	0.00	36.35	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.09	0.00	39.00	5.07	2.09	0.00
36.45	5.07	2.09	0.00	39.05	5.07	2.09	0.00
36.50	5.07	2.09	0.00	39.10	5.07	2.09	0.00
36.55	5.07	2.09	0.00	39.15	5.07	2.09	0.00
36.60	5.07	2.09	0.00	39.20	5.07	2.09	0.00
36.65	5.07	2.09	0.00	39.25	5.07	2.09	0.00
36.70	5.07	2.09	0.00	39.30	5.07	2.09	0.00
36.75	5.07	2.09	0.00	39.35	5.07	2.09	0.00
36.80	5.07	2.09	0.00	39.40	5.07	2.09	0.00
36.85	5.07	2.09	0.00	39.45	5.07	2.09	0.00
36.90	5.07	2.09	0.00	39.50	5.07	2.09	0.00
36.95	5.07	2.09	0.00	39.55	5.07	2.09	0.00
37.00	5.07	2.09	0.00	39.60	5.07	2.09	0.00
37.05	5.07	2.09	0.00	39.65	5.07	2.09	0.00
37.10	5.07	2.09	0.00	39.70	5.07	2.09	0.00
37.15	5.07	2.09	0.00	39.75	5.07	2.09	0.00
37.20	5.07	2.09	0.00	39.80	5.07	2.09	0.00
37.25	5.07	2.09	0.00	39.85	5.07	2.09	0.00
37.30	5.07	2.09	0.00	39.90	5.07	2.09	0.00
37.35	5.07	2.09	0.00	39.95	5.07	2.09	0.00
37.40	5.07	2.09	0.00	40.00	5.07	2.09	0.00
37.45	5.07	2.09	0.00				
37.50	5.07	2.09	0.00				
37.55	5.07	2.09	0.00				
37.60	5.07	2.09	0.00				
37.65	5.07	2.09	0.00				
37.70	5.07	2.09	0.00				
37.75	5.07	2.09	0.00				
37.80	5.07	2.09	0.00				
37.85	5.07	2.09	0.00				
37.90	5.07	2.09	0.00				
37.95	5.07	2.09	0.00				
38.00	5.07	2.09	0.00				
38.05	5.07	2.09	0.00				
38.10	5.07	2.09	0.00				
38.15	5.07	2.09	0.00				
38.20	5.07	2.09	0.00				
38.25	5.07	2.09	0.00				
38.30	5.07	2.09	0.00				
38.35	5.07	2.09	0.00				
38.40	5.07	2.09	0.00				
38.45	5.07	2.09	0.00				
38.50	5.07	2.09	0.00				
38.55	5.07	2.09	0.00				
38.60	5.07	2.09	0.00				
38.65	5.07	2.09	0.00				
38.70	5.07	2.09	0.00				
38.75	5.07	2.09	0.00				
38.80	5.07	2.09	0.00				
38.85	5.07	2.09	0.00				
38.90	5.07	2.09	0.00				
38.95	5.07	2.09	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 6.59 cfs @ 12.19 hrs, Volume= 0.531 af, Depth= 1.34"

Routed to Link XDA-4 : Existing Drainage Area #4

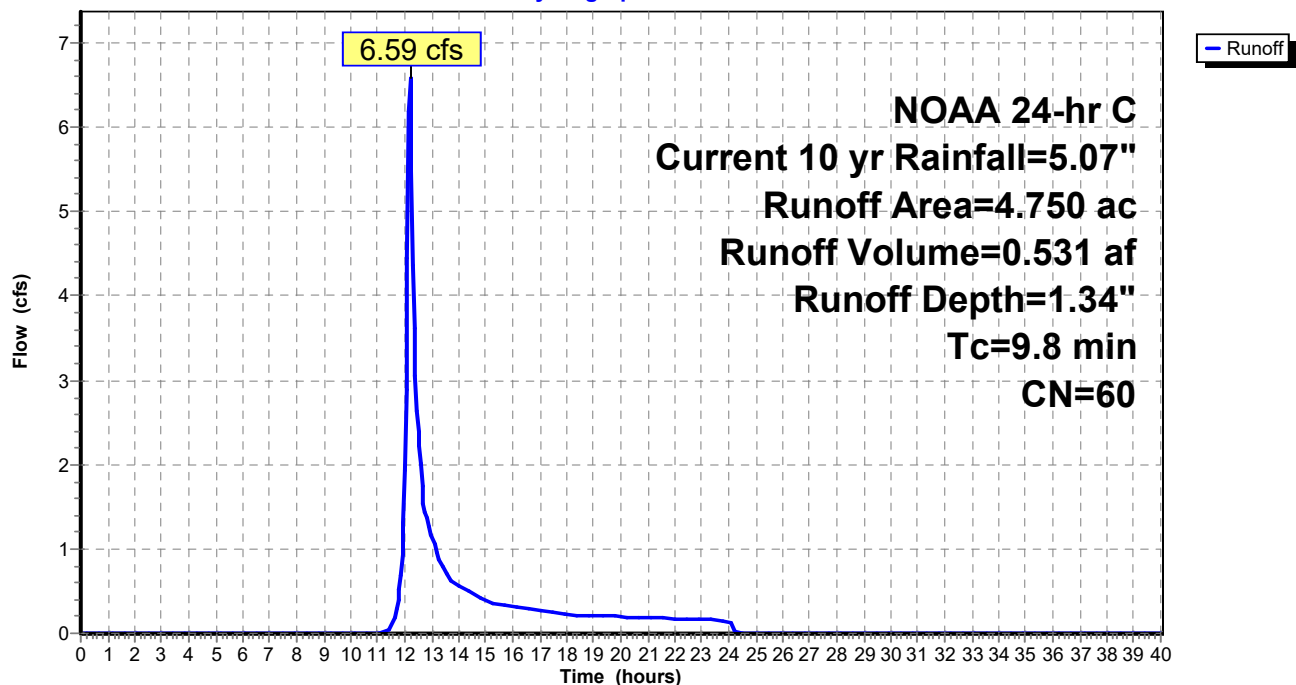
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.69	1.14
10.45	1.03	0.00	0.00	13.05	3.87	0.70	1.08
10.50	1.04	0.00	0.00	13.10	3.89	0.71	1.03
10.55	1.06	0.00	0.00	13.15	3.91	0.72	0.98
10.60	1.07	0.00	0.00	13.20	3.93	0.73	0.93
10.65	1.09	0.00	0.00	13.25	3.95	0.74	0.89
10.70	1.10	0.00	0.00	13.30	3.97	0.74	0.86
10.75	1.12	0.00	0.00	13.35	3.98	0.75	0.83
10.80	1.14	0.00	0.00	13.40	4.00	0.76	0.80
10.85	1.16	0.00	0.00	13.45	4.01	0.77	0.77
10.90	1.18	0.00	0.00	13.50	4.03	0.77	0.73
10.95	1.20	0.00	0.00	13.55	4.04	0.78	0.70
11.00	1.22	0.00	0.00	13.60	4.05	0.79	0.67
11.05	1.24	0.00	0.00	13.65	4.06	0.79	0.64
11.10	1.26	0.00	0.00	13.70	4.08	0.80	0.62
11.15	1.29	0.00	0.00	13.75	4.09	0.81	0.61
11.20	1.31	0.00	0.00	13.80	4.10	0.81	0.59
11.25	1.34	0.00	0.00	13.85	4.11	0.82	0.58
11.30	1.37	0.00	0.00	13.90	4.12	0.82	0.58
11.35	1.40	0.00	0.01	13.95	4.13	0.83	0.57
11.40	1.43	0.00	0.02	14.00	4.15	0.83	0.56
11.45	1.47	0.00	0.04	14.05	4.16	0.84	0.55
11.50	1.50	0.00	0.06	14.10	4.17	0.85	0.55
11.55	1.55	0.01	0.09	14.15	4.18	0.85	0.54
11.60	1.60	0.01	0.15	14.20	4.19	0.86	0.53
11.65	1.65	0.01	0.22	14.25	4.20	0.86	0.52
11.70	1.71	0.02	0.30	14.30	4.21	0.87	0.51
11.75	1.78	0.03	0.39	14.35	4.22	0.87	0.50
11.80	1.86	0.04	0.51	14.40	4.23	0.88	0.50
11.85	1.96	0.05	0.69	14.45	4.24	0.88	0.49
11.90	2.06	0.07	0.94	14.50	4.25	0.89	0.48
11.95	2.24	0.11	1.31	14.55	4.26	0.89	0.47
12.00	2.42	0.15	1.94	14.60	4.27	0.90	0.46
12.05	2.71	0.24	2.90	14.65	4.27	0.90	0.45
12.10	3.01	0.34	4.44	14.70	4.28	0.90	0.45
12.15	3.11	0.37	6.20	14.75	4.29	0.91	0.44
12.20	3.21	0.41	6.54	14.80	4.30	0.91	0.43
12.25	3.29	0.44	5.48	14.85	4.31	0.92	0.42
12.30	3.36	0.47	4.37	14.90	4.31	0.92	0.41
12.35	3.42	0.50	3.61	14.95	4.32	0.93	0.40
12.40	3.47	0.52	3.06	15.00	4.33	0.93	0.39
12.45	3.52	0.54	2.64	15.05	4.34	0.93	0.38
12.50	3.57	0.56	2.38	15.10	4.34	0.94	0.38
12.55	3.60	0.58	2.23	15.15	4.35	0.94	0.37
12.60	3.64	0.59	2.01	15.20	4.36	0.94	0.36
12.65	3.67	0.61	1.74	15.25	4.36	0.95	0.36
12.70	3.70	0.62	1.55	15.30	4.37	0.95	0.35
12.75	3.73	0.63	1.44	15.35	4.38	0.95	0.35
12.80	3.76	0.65	1.36	15.40	4.39	0.96	0.35
12.85	3.78	0.66	1.30	15.45	4.39	0.96	0.35
12.90	3.81	0.67	1.25	15.50	4.40	0.97	0.34
12.95	3.83	0.68	1.19	15.55	4.41	0.97	0.34

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	0.97	0.34	18.20	4.68	1.12	0.22
15.65	4.42	0.98	0.34	18.25	4.69	1.12	0.22
15.70	4.42	0.98	0.34	18.30	4.69	1.13	0.22
15.75	4.43	0.98	0.33	18.35	4.70	1.13	0.22
15.80	4.44	0.99	0.33	18.40	4.70	1.13	0.22
15.85	4.44	0.99	0.33	18.45	4.70	1.13	0.21
15.90	4.45	0.99	0.33	18.50	4.71	1.13	0.21
15.95	4.46	1.00	0.33	18.55	4.71	1.14	0.21
16.00	4.46	1.00	0.32	18.60	4.72	1.14	0.21
16.05	4.47	1.00	0.32	18.65	4.72	1.14	0.21
16.10	4.47	1.01	0.32	18.70	4.72	1.14	0.21
16.15	4.48	1.01	0.32	18.75	4.73	1.15	0.21
16.20	4.49	1.01	0.31	18.80	4.73	1.15	0.21
16.25	4.49	1.02	0.31	18.85	4.74	1.15	0.21
16.30	4.50	1.02	0.31	18.90	4.74	1.15	0.21
16.35	4.50	1.02	0.31	18.95	4.74	1.15	0.21
16.40	4.51	1.03	0.30	19.00	4.75	1.16	0.21
16.45	4.52	1.03	0.30	19.05	4.75	1.16	0.21
16.50	4.52	1.03	0.30	19.10	4.76	1.16	0.21
16.55	4.53	1.03	0.30	19.15	4.76	1.16	0.21
16.60	4.53	1.04	0.30	19.20	4.76	1.16	0.21
16.65	4.54	1.04	0.29	19.25	4.77	1.17	0.21
16.70	4.54	1.04	0.29	19.30	4.77	1.17	0.21
16.75	4.55	1.05	0.29	19.35	4.77	1.17	0.20
16.80	4.55	1.05	0.29	19.40	4.78	1.17	0.20
16.85	4.56	1.05	0.28	19.45	4.78	1.18	0.20
16.90	4.57	1.06	0.28	19.50	4.79	1.18	0.20
16.95	4.57	1.06	0.28	19.55	4.79	1.18	0.20
17.00	4.58	1.06	0.28	19.60	4.79	1.18	0.20
17.05	4.58	1.06	0.27	19.65	4.80	1.18	0.20
17.10	4.59	1.07	0.27	19.70	4.80	1.19	0.20
17.15	4.59	1.07	0.27	19.75	4.80	1.19	0.20
17.20	4.60	1.07	0.27	19.80	4.81	1.19	0.20
17.25	4.60	1.07	0.26	19.85	4.81	1.19	0.20
17.30	4.61	1.08	0.26	19.90	4.81	1.19	0.20
17.35	4.61	1.08	0.26	19.95	4.82	1.20	0.20
17.40	4.61	1.08	0.26	20.00	4.82	1.20	0.20
17.45	4.62	1.09	0.25	20.05	4.83	1.20	0.20
17.50	4.62	1.09	0.25	20.10	4.83	1.20	0.20
17.55	4.63	1.09	0.25	20.15	4.83	1.20	0.20
17.60	4.63	1.09	0.25	20.20	4.84	1.21	0.19
17.65	4.64	1.10	0.25	20.25	4.84	1.21	0.19
17.70	4.64	1.10	0.24	20.30	4.84	1.21	0.19
17.75	4.65	1.10	0.24	20.35	4.85	1.21	0.19
17.80	4.65	1.10	0.24	20.40	4.85	1.21	0.19
17.85	4.66	1.10	0.24	20.45	4.85	1.22	0.19
17.90	4.66	1.11	0.23	20.50	4.86	1.22	0.19
17.95	4.66	1.11	0.23	20.55	4.86	1.22	0.19
18.00	4.67	1.11	0.23	20.60	4.86	1.22	0.19
18.05	4.67	1.11	0.23	20.65	4.87	1.22	0.19
18.10	4.68	1.12	0.22	20.70	4.87	1.23	0.19
18.15	4.68	1.12	0.22	20.75	4.87	1.23	0.19

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.23	0.19	23.40	5.04	1.32	0.16
20.85	4.88	1.23	0.19	23.45	5.04	1.32	0.16
20.90	4.88	1.23	0.19	23.50	5.04	1.33	0.15
20.95	4.89	1.24	0.19	23.55	5.04	1.33	0.15
21.00	4.89	1.24	0.19	23.60	5.05	1.33	0.15
21.05	4.89	1.24	0.18	23.65	5.05	1.33	0.15
21.10	4.90	1.24	0.18	23.70	5.05	1.33	0.15
21.15	4.90	1.24	0.18	23.75	5.06	1.33	0.15
21.20	4.90	1.25	0.18	23.80	5.06	1.34	0.15
21.25	4.91	1.25	0.18	23.85	5.06	1.34	0.15
21.30	4.91	1.25	0.18	23.90	5.06	1.34	0.15
21.35	4.91	1.25	0.18	23.95	5.07	1.34	0.15
21.40	4.92	1.25	0.18	24.00	5.07	1.34	0.16
21.45	4.92	1.26	0.18	24.05	5.07	1.34	0.16
21.50	4.92	1.26	0.18	24.10	5.07	1.34	0.13
21.55	4.93	1.26	0.18	24.15	5.07	1.34	0.08
21.60	4.93	1.26	0.18	24.20	5.07	1.34	0.04
21.65	4.93	1.26	0.18	24.25	5.07	1.34	0.02
21.70	4.94	1.26	0.18	24.30	5.07	1.34	0.01
21.75	4.94	1.27	0.18	24.35	5.07	1.34	0.00
21.80	4.94	1.27	0.18	24.40	5.07	1.34	0.00
21.85	4.95	1.27	0.18	24.45	5.07	1.34	0.00
21.90	4.95	1.27	0.18	24.50	5.07	1.34	0.00
21.95	4.95	1.27	0.17	24.55	5.07	1.34	0.00
22.00	4.96	1.28	0.17	24.60	5.07	1.34	0.00
22.05	4.96	1.28	0.17	24.65	5.07	1.34	0.00
22.10	4.96	1.28	0.17	24.70	5.07	1.34	0.00
22.15	4.96	1.28	0.17	24.75	5.07	1.34	0.00
22.20	4.97	1.28	0.17	24.80	5.07	1.34	0.00
22.25	4.97	1.28	0.17	24.85	5.07	1.34	0.00
22.30	4.97	1.29	0.17	24.90	5.07	1.34	0.00
22.35	4.98	1.29	0.17	24.95	5.07	1.34	0.00
22.40	4.98	1.29	0.17	25.00	5.07	1.34	0.00
22.45	4.98	1.29	0.17	25.05	5.07	1.34	0.00
22.50	4.99	1.29	0.17	25.10	5.07	1.34	0.00
22.55	4.99	1.29	0.17	25.15	5.07	1.34	0.00
22.60	4.99	1.30	0.17	25.20	5.07	1.34	0.00
22.65	4.99	1.30	0.17	25.25	5.07	1.34	0.00
22.70	5.00	1.30	0.16	25.30	5.07	1.34	0.00
22.75	5.00	1.30	0.16	25.35	5.07	1.34	0.00
22.80	5.00	1.30	0.16	25.40	5.07	1.34	0.00
22.85	5.01	1.30	0.16	25.45	5.07	1.34	0.00
22.90	5.01	1.31	0.16	25.50	5.07	1.34	0.00
22.95	5.01	1.31	0.16	25.55	5.07	1.34	0.00
23.00	5.01	1.31	0.16	25.60	5.07	1.34	0.00
23.05	5.02	1.31	0.16	25.65	5.07	1.34	0.00
23.10	5.02	1.31	0.16	25.70	5.07	1.34	0.00
23.15	5.02	1.31	0.16	25.75	5.07	1.34	0.00
23.20	5.03	1.32	0.16	25.80	5.07	1.34	0.00
23.25	5.03	1.32	0.16	25.85	5.07	1.34	0.00
23.30	5.03	1.32	0.16	25.90	5.07	1.34	0.00
23.35	5.03	1.32	0.16	25.95	5.07	1.34	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.34	0.00	28.60	5.07	1.34	0.00
26.05	5.07	1.34	0.00	28.65	5.07	1.34	0.00
26.10	5.07	1.34	0.00	28.70	5.07	1.34	0.00
26.15	5.07	1.34	0.00	28.75	5.07	1.34	0.00
26.20	5.07	1.34	0.00	28.80	5.07	1.34	0.00
26.25	5.07	1.34	0.00	28.85	5.07	1.34	0.00
26.30	5.07	1.34	0.00	28.90	5.07	1.34	0.00
26.35	5.07	1.34	0.00	28.95	5.07	1.34	0.00
26.40	5.07	1.34	0.00	29.00	5.07	1.34	0.00
26.45	5.07	1.34	0.00	29.05	5.07	1.34	0.00
26.50	5.07	1.34	0.00	29.10	5.07	1.34	0.00
26.55	5.07	1.34	0.00	29.15	5.07	1.34	0.00
26.60	5.07	1.34	0.00	29.20	5.07	1.34	0.00
26.65	5.07	1.34	0.00	29.25	5.07	1.34	0.00
26.70	5.07	1.34	0.00	29.30	5.07	1.34	0.00
26.75	5.07	1.34	0.00	29.35	5.07	1.34	0.00
26.80	5.07	1.34	0.00	29.40	5.07	1.34	0.00
26.85	5.07	1.34	0.00	29.45	5.07	1.34	0.00
26.90	5.07	1.34	0.00	29.50	5.07	1.34	0.00
26.95	5.07	1.34	0.00	29.55	5.07	1.34	0.00
27.00	5.07	1.34	0.00	29.60	5.07	1.34	0.00
27.05	5.07	1.34	0.00	29.65	5.07	1.34	0.00
27.10	5.07	1.34	0.00	29.70	5.07	1.34	0.00
27.15	5.07	1.34	0.00	29.75	5.07	1.34	0.00
27.20	5.07	1.34	0.00	29.80	5.07	1.34	0.00
27.25	5.07	1.34	0.00	29.85	5.07	1.34	0.00
27.30	5.07	1.34	0.00	29.90	5.07	1.34	0.00
27.35	5.07	1.34	0.00	29.95	5.07	1.34	0.00
27.40	5.07	1.34	0.00	30.00	5.07	1.34	0.00
27.45	5.07	1.34	0.00	30.05	5.07	1.34	0.00
27.50	5.07	1.34	0.00	30.10	5.07	1.34	0.00
27.55	5.07	1.34	0.00	30.15	5.07	1.34	0.00
27.60	5.07	1.34	0.00	30.20	5.07	1.34	0.00
27.65	5.07	1.34	0.00	30.25	5.07	1.34	0.00
27.70	5.07	1.34	0.00	30.30	5.07	1.34	0.00
27.75	5.07	1.34	0.00	30.35	5.07	1.34	0.00
27.80	5.07	1.34	0.00	30.40	5.07	1.34	0.00
27.85	5.07	1.34	0.00	30.45	5.07	1.34	0.00
27.90	5.07	1.34	0.00	30.50	5.07	1.34	0.00
27.95	5.07	1.34	0.00	30.55	5.07	1.34	0.00
28.00	5.07	1.34	0.00	30.60	5.07	1.34	0.00
28.05	5.07	1.34	0.00	30.65	5.07	1.34	0.00
28.10	5.07	1.34	0.00	30.70	5.07	1.34	0.00
28.15	5.07	1.34	0.00	30.75	5.07	1.34	0.00
28.20	5.07	1.34	0.00	30.80	5.07	1.34	0.00
28.25	5.07	1.34	0.00	30.85	5.07	1.34	0.00
28.30	5.07	1.34	0.00	30.90	5.07	1.34	0.00
28.35	5.07	1.34	0.00	30.95	5.07	1.34	0.00
28.40	5.07	1.34	0.00	31.00	5.07	1.34	0.00
28.45	5.07	1.34	0.00	31.05	5.07	1.34	0.00
28.50	5.07	1.34	0.00	31.10	5.07	1.34	0.00
28.55	5.07	1.34	0.00	31.15	5.07	1.34	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.34	0.00	33.80	5.07	1.34	0.00
31.25	5.07	1.34	0.00	33.85	5.07	1.34	0.00
31.30	5.07	1.34	0.00	33.90	5.07	1.34	0.00
31.35	5.07	1.34	0.00	33.95	5.07	1.34	0.00
31.40	5.07	1.34	0.00	34.00	5.07	1.34	0.00
31.45	5.07	1.34	0.00	34.05	5.07	1.34	0.00
31.50	5.07	1.34	0.00	34.10	5.07	1.34	0.00
31.55	5.07	1.34	0.00	34.15	5.07	1.34	0.00
31.60	5.07	1.34	0.00	34.20	5.07	1.34	0.00
31.65	5.07	1.34	0.00	34.25	5.07	1.34	0.00
31.70	5.07	1.34	0.00	34.30	5.07	1.34	0.00
31.75	5.07	1.34	0.00	34.35	5.07	1.34	0.00
31.80	5.07	1.34	0.00	34.40	5.07	1.34	0.00
31.85	5.07	1.34	0.00	34.45	5.07	1.34	0.00
31.90	5.07	1.34	0.00	34.50	5.07	1.34	0.00
31.95	5.07	1.34	0.00	34.55	5.07	1.34	0.00
32.00	5.07	1.34	0.00	34.60	5.07	1.34	0.00
32.05	5.07	1.34	0.00	34.65	5.07	1.34	0.00
32.10	5.07	1.34	0.00	34.70	5.07	1.34	0.00
32.15	5.07	1.34	0.00	34.75	5.07	1.34	0.00
32.20	5.07	1.34	0.00	34.80	5.07	1.34	0.00
32.25	5.07	1.34	0.00	34.85	5.07	1.34	0.00
32.30	5.07	1.34	0.00	34.90	5.07	1.34	0.00
32.35	5.07	1.34	0.00	34.95	5.07	1.34	0.00
32.40	5.07	1.34	0.00	35.00	5.07	1.34	0.00
32.45	5.07	1.34	0.00	35.05	5.07	1.34	0.00
32.50	5.07	1.34	0.00	35.10	5.07	1.34	0.00
32.55	5.07	1.34	0.00	35.15	5.07	1.34	0.00
32.60	5.07	1.34	0.00	35.20	5.07	1.34	0.00
32.65	5.07	1.34	0.00	35.25	5.07	1.34	0.00
32.70	5.07	1.34	0.00	35.30	5.07	1.34	0.00
32.75	5.07	1.34	0.00	35.35	5.07	1.34	0.00
32.80	5.07	1.34	0.00	35.40	5.07	1.34	0.00
32.85	5.07	1.34	0.00	35.45	5.07	1.34	0.00
32.90	5.07	1.34	0.00	35.50	5.07	1.34	0.00
32.95	5.07	1.34	0.00	35.55	5.07	1.34	0.00
33.00	5.07	1.34	0.00	35.60	5.07	1.34	0.00
33.05	5.07	1.34	0.00	35.65	5.07	1.34	0.00
33.10	5.07	1.34	0.00	35.70	5.07	1.34	0.00
33.15	5.07	1.34	0.00	35.75	5.07	1.34	0.00
33.20	5.07	1.34	0.00	35.80	5.07	1.34	0.00
33.25	5.07	1.34	0.00	35.85	5.07	1.34	0.00
33.30	5.07	1.34	0.00	35.90	5.07	1.34	0.00
33.35	5.07	1.34	0.00	35.95	5.07	1.34	0.00
33.40	5.07	1.34	0.00	36.00	5.07	1.34	0.00
33.45	5.07	1.34	0.00	36.05	5.07	1.34	0.00
33.50	5.07	1.34	0.00	36.10	5.07	1.34	0.00
33.55	5.07	1.34	0.00	36.15	5.07	1.34	0.00
33.60	5.07	1.34	0.00	36.20	5.07	1.34	0.00
33.65	5.07	1.34	0.00	36.25	5.07	1.34	0.00
33.70	5.07	1.34	0.00	36.30	5.07	1.34	0.00
33.75	5.07	1.34	0.00	36.35	5.07	1.34	0.00

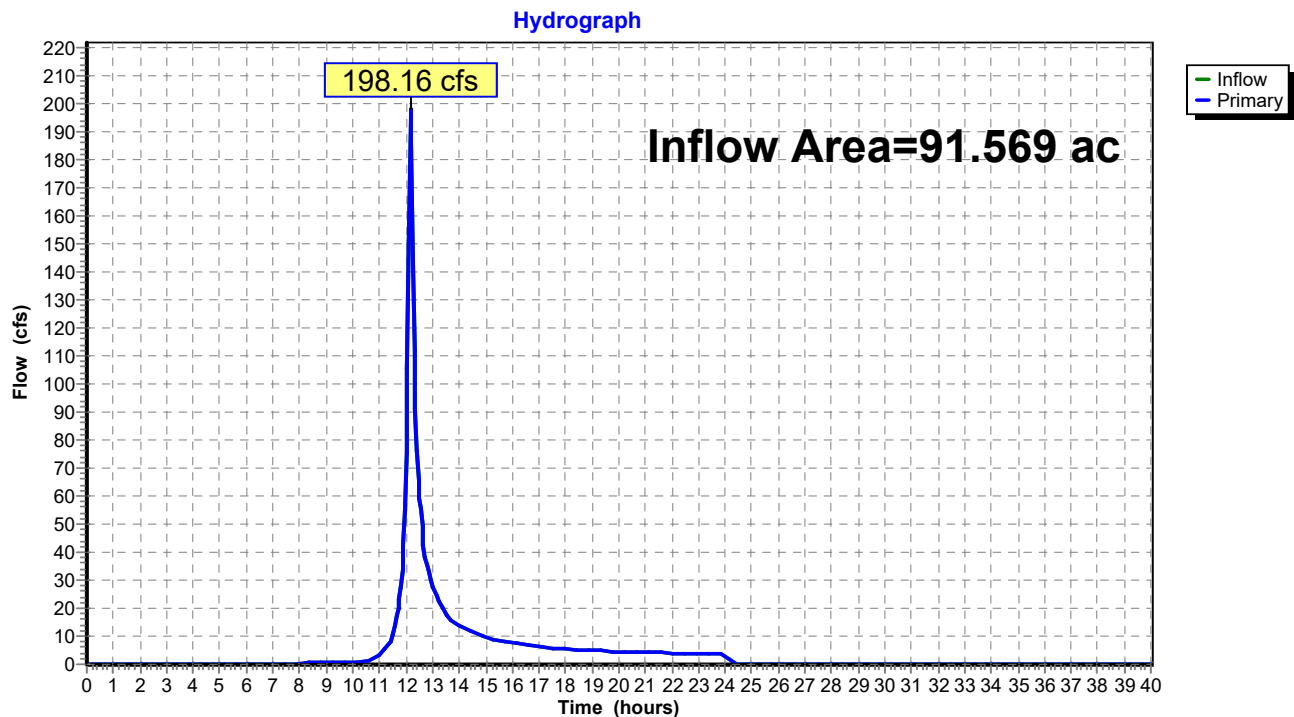
Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.34	0.00	39.00	5.07	1.34	0.00
36.45	5.07	1.34	0.00	39.05	5.07	1.34	0.00
36.50	5.07	1.34	0.00	39.10	5.07	1.34	0.00
36.55	5.07	1.34	0.00	39.15	5.07	1.34	0.00
36.60	5.07	1.34	0.00	39.20	5.07	1.34	0.00
36.65	5.07	1.34	0.00	39.25	5.07	1.34	0.00
36.70	5.07	1.34	0.00	39.30	5.07	1.34	0.00
36.75	5.07	1.34	0.00	39.35	5.07	1.34	0.00
36.80	5.07	1.34	0.00	39.40	5.07	1.34	0.00
36.85	5.07	1.34	0.00	39.45	5.07	1.34	0.00
36.90	5.07	1.34	0.00	39.50	5.07	1.34	0.00
36.95	5.07	1.34	0.00	39.55	5.07	1.34	0.00
37.00	5.07	1.34	0.00	39.60	5.07	1.34	0.00
37.05	5.07	1.34	0.00	39.65	5.07	1.34	0.00
37.10	5.07	1.34	0.00	39.70	5.07	1.34	0.00
37.15	5.07	1.34	0.00	39.75	5.07	1.34	0.00
37.20	5.07	1.34	0.00	39.80	5.07	1.34	0.00
37.25	5.07	1.34	0.00	39.85	5.07	1.34	0.00
37.30	5.07	1.34	0.00	39.90	5.07	1.34	0.00
37.35	5.07	1.34	0.00	39.95	5.07	1.34	0.00
37.40	5.07	1.34	0.00	40.00	5.07	1.34	0.00
37.45	5.07	1.34	0.00				
37.50	5.07	1.34	0.00				
37.55	5.07	1.34	0.00				
37.60	5.07	1.34	0.00				
37.65	5.07	1.34	0.00				
37.70	5.07	1.34	0.00				
37.75	5.07	1.34	0.00				
37.80	5.07	1.34	0.00				
37.85	5.07	1.34	0.00				
37.90	5.07	1.34	0.00				
37.95	5.07	1.34	0.00				
38.00	5.07	1.34	0.00				
38.05	5.07	1.34	0.00				
38.10	5.07	1.34	0.00				
38.15	5.07	1.34	0.00				
38.20	5.07	1.34	0.00				
38.25	5.07	1.34	0.00				
38.30	5.07	1.34	0.00				
38.35	5.07	1.34	0.00				
38.40	5.07	1.34	0.00				
38.45	5.07	1.34	0.00				
38.50	5.07	1.34	0.00				
38.55	5.07	1.34	0.00				
38.60	5.07	1.34	0.00				
38.65	5.07	1.34	0.00				
38.70	5.07	1.34	0.00				
38.75	5.07	1.34	0.00				
38.80	5.07	1.34	0.00				
38.85	5.07	1.34	0.00				
38.90	5.07	1.34	0.00				
38.95	5.07	1.34	0.00				

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 1.92" for Current 10 yr event
Inflow = 198.16 cfs @ 12.17 hrs, Volume= 14.680 af
Primary = 198.16 cfs @ 12.17 hrs, Volume= 14.680 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.03	0.00	0.03
1.10	0.00	0.00	0.00	3.70	0.03	0.00	0.03
1.15	0.00	0.00	0.00	3.75	0.03	0.00	0.03
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.00	0.00	0.00	4.00	0.05	0.00	0.05
1.45	0.00	0.00	0.00	4.05	0.05	0.00	0.05
1.50	0.00	0.00	0.00	4.10	0.05	0.00	0.05
1.55	0.00	0.00	0.00	4.15	0.05	0.00	0.05
1.60	0.00	0.00	0.00	4.20	0.06	0.00	0.06
1.65	0.00	0.00	0.00	4.25	0.06	0.00	0.06
1.70	0.00	0.00	0.00	4.30	0.06	0.00	0.06
1.75	0.00	0.00	0.00	4.35	0.06	0.00	0.06
1.80	0.00	0.00	0.00	4.40	0.07	0.00	0.07
1.85	0.00	0.00	0.00	4.45	0.07	0.00	0.07
1.90	0.00	0.00	0.00	4.50	0.07	0.00	0.07
1.95	0.00	0.00	0.00	4.55	0.07	0.00	0.07
2.00	0.00	0.00	0.00	4.60	0.08	0.00	0.08
2.05	0.00	0.00	0.00	4.65	0.08	0.00	0.08
2.10	0.00	0.00	0.00	4.70	0.08	0.00	0.08
2.15	0.00	0.00	0.00	4.75	0.08	0.00	0.08
2.20	0.00	0.00	0.00	4.80	0.09	0.00	0.09
2.25	0.00	0.00	0.00	4.85	0.09	0.00	0.09
2.30	0.00	0.00	0.00	4.90	0.09	0.00	0.09
2.35	0.00	0.00	0.00	4.95	0.09	0.00	0.09
2.40	0.00	0.00	0.00	5.00	0.10	0.00	0.10
2.45	0.00	0.00	0.00	5.05	0.10	0.00	0.10
2.50	0.00	0.00	0.00	5.10	0.10	0.00	0.10
2.55	0.00	0.00	0.00	5.15	0.10	0.00	0.10

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.11	0.00	0.11	7.80	0.30	0.00	0.30
5.25	0.11	0.00	0.11	7.85	0.31	0.00	0.31
5.30	0.11	0.00	0.11	7.90	0.31	0.00	0.31
5.35	0.11	0.00	0.11	7.95	0.32	0.00	0.32
5.40	0.12	0.00	0.12	8.00	0.32	0.00	0.32
5.45	0.12	0.00	0.12	8.05	0.33	0.00	0.33
5.50	0.12	0.00	0.12	8.10	0.33	0.00	0.33
5.55	0.12	0.00	0.12	8.15	0.34	0.00	0.34
5.60	0.13	0.00	0.13	8.20	0.34	0.00	0.34
5.65	0.13	0.00	0.13	8.25	0.35	0.00	0.35
5.70	0.13	0.00	0.13	8.30	0.35	0.00	0.35
5.75	0.13	0.00	0.13	8.35	0.36	0.00	0.36
5.80	0.13	0.00	0.13	8.40	0.37	0.00	0.37
5.85	0.14	0.00	0.14	8.45	0.37	0.00	0.37
5.90	0.14	0.00	0.14	8.50	0.38	0.00	0.38
5.95	0.14	0.00	0.14	8.55	0.38	0.00	0.38
6.00	0.14	0.00	0.14	8.60	0.39	0.00	0.39
6.05	0.15	0.00	0.15	8.65	0.39	0.00	0.39
6.10	0.15	0.00	0.15	8.70	0.40	0.00	0.40
6.15	0.15	0.00	0.15	8.75	0.40	0.00	0.40
6.20	0.16	0.00	0.16	8.80	0.41	0.00	0.41
6.25	0.16	0.00	0.16	8.85	0.42	0.00	0.42
6.30	0.16	0.00	0.16	8.90	0.42	0.00	0.42
6.35	0.17	0.00	0.17	8.95	0.43	0.00	0.43
6.40	0.17	0.00	0.17	9.00	0.43	0.00	0.43
6.45	0.18	0.00	0.18	9.05	0.44	0.00	0.44
6.50	0.18	0.00	0.18	9.10	0.45	0.00	0.45
6.55	0.19	0.00	0.19	9.15	0.46	0.00	0.46
6.60	0.19	0.00	0.19	9.20	0.48	0.00	0.48
6.65	0.19	0.00	0.19	9.25	0.49	0.00	0.49
6.70	0.20	0.00	0.20	9.30	0.51	0.00	0.51
6.75	0.20	0.00	0.20	9.35	0.52	0.00	0.52
6.80	0.21	0.00	0.21	9.40	0.54	0.00	0.54
6.85	0.21	0.00	0.21	9.45	0.55	0.00	0.55
6.90	0.21	0.00	0.21	9.50	0.57	0.00	0.57
6.95	0.22	0.00	0.22	9.55	0.58	0.00	0.58
7.00	0.22	0.00	0.22	9.60	0.60	0.00	0.60
7.05	0.23	0.00	0.23	9.65	0.62	0.00	0.62
7.10	0.23	0.00	0.23	9.70	0.63	0.00	0.63
7.15	0.24	0.00	0.24	9.75	0.65	0.00	0.65
7.20	0.24	0.00	0.24	9.80	0.66	0.00	0.66
7.25	0.25	0.00	0.25	9.85	0.68	0.00	0.68
7.30	0.25	0.00	0.25	9.90	0.70	0.00	0.70
7.35	0.26	0.00	0.26	9.95	0.72	0.00	0.72
7.40	0.26	0.00	0.26	10.00	0.73	0.00	0.73
7.45	0.27	0.00	0.27	10.05	0.75	0.00	0.75
7.50	0.27	0.00	0.27	10.10	0.77	0.00	0.77
7.55	0.28	0.00	0.28	10.15	0.79	0.00	0.79
7.60	0.28	0.00	0.28	10.20	0.80	0.00	0.80
7.65	0.29	0.00	0.29	10.25	0.82	0.00	0.82
7.70	0.29	0.00	0.29	10.30	0.84	0.00	0.84
7.75	0.30	0.00	0.30	10.35	0.86	0.00	0.86

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.89	0.00	0.89	13.00	27.97	0.00	27.97
10.45	0.93	0.00	0.93	13.05	26.58	0.00	26.58
10.50	0.98	0.00	0.98	13.10	25.14	0.00	25.14
10.55	1.05	0.00	1.05	13.15	23.79	0.00	23.79
10.60	1.18	0.00	1.18	13.20	22.70	0.00	22.70
10.65	1.35	0.00	1.35	13.25	21.80	0.00	21.80
10.70	1.55	0.00	1.55	13.30	20.97	0.00	20.97
10.75	1.78	0.00	1.78	13.35	20.18	0.00	20.18
10.80	2.03	0.00	2.03	13.40	19.39	0.00	19.39
10.85	2.31	0.00	2.31	13.45	18.60	0.00	18.60
10.90	2.61	0.00	2.61	13.50	17.80	0.00	17.80
10.95	2.93	0.00	2.93	13.55	17.02	0.00	17.02
11.00	3.28	0.00	3.28	13.60	16.22	0.00	16.22
11.05	3.66	0.00	3.66	13.65	15.49	0.00	15.49
11.10	4.13	0.00	4.13	13.70	14.99	0.00	14.99
11.15	4.67	0.00	4.67	13.75	14.66	0.00	14.66
11.20	5.29	0.00	5.29	13.80	14.40	0.00	14.40
11.25	5.95	0.00	5.95	13.85	14.18	0.00	14.18
11.30	6.68	0.00	6.68	13.90	13.98	0.00	13.98
11.35	7.46	0.00	7.46	13.95	13.79	0.00	13.79
11.40	8.31	0.00	8.31	14.00	13.58	0.00	13.58
11.45	9.20	0.00	9.20	14.05	13.38	0.00	13.38
11.50	10.11	0.00	10.11	14.10	13.17	0.00	13.17
11.55	11.35	0.00	11.35	14.15	12.97	0.00	12.97
11.60	14.00	0.00	14.00	14.20	12.77	0.00	12.77
11.65	17.40	0.00	17.40	14.25	12.58	0.00	12.58
11.70	20.28	0.00	20.28	14.30	12.36	0.00	12.36
11.75	23.09	0.00	23.09	14.35	12.15	0.00	12.15
11.80	27.66	0.00	27.66	14.40	11.93	0.00	11.93
11.85	33.89	0.00	33.89	14.45	11.73	0.00	11.73
11.90	42.59	0.00	42.59	14.50	11.52	0.00	11.52
11.95	54.63	0.00	54.63	14.55	11.32	0.00	11.32
12.00	75.64	0.00	75.64	14.60	11.11	0.00	11.11
12.05	105.68	0.00	105.68	14.65	10.89	0.00	10.89
12.10	151.55	0.00	151.55	14.70	10.67	0.00	10.67
12.15	195.36	0.00	195.36	14.75	10.46	0.00	10.46
12.20	186.02	0.00	186.02	14.80	10.25	0.00	10.25
12.25	144.25	0.00	144.25	14.85	10.04	0.00	10.04
12.30	111.76	0.00	111.76	14.90	9.82	0.00	9.82
12.35	91.21	0.00	91.21	14.95	9.60	0.00	9.60
12.40	76.43	0.00	76.43	15.00	9.37	0.00	9.37
12.45	65.67	0.00	65.67	15.05	9.15	0.00	9.15
12.50	59.57	0.00	59.57	15.10	8.94	0.00	8.94
12.55	55.65	0.00	55.65	15.15	8.75	0.00	8.75
12.60	49.35	0.00	49.35	15.20	8.61	0.00	8.61
12.65	42.34	0.00	42.34	15.25	8.51	0.00	8.51
12.70	37.94	0.00	37.94	15.30	8.44	0.00	8.44
12.75	35.51	0.00	35.51	15.35	8.38	0.00	8.38
12.80	33.71	0.00	33.71	15.40	8.33	0.00	8.33
12.85	32.20	0.00	32.20	15.45	8.28	0.00	8.28
12.90	30.76	0.00	30.76	15.50	8.22	0.00	8.22
12.95	29.38	0.00	29.38	15.55	8.16	0.00	8.16

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.11	0.00	8.11	18.20	5.13	0.00	5.13
15.65	8.06	0.00	8.06	18.25	5.10	0.00	5.10
15.70	8.01	0.00	8.01	18.30	5.08	0.00	5.08
15.75	7.94	0.00	7.94	18.35	5.07	0.00	5.07
15.80	7.88	0.00	7.88	18.40	5.05	0.00	5.05
15.85	7.83	0.00	7.83	18.45	5.04	0.00	5.04
15.90	7.78	0.00	7.78	18.50	5.03	0.00	5.03
15.95	7.73	0.00	7.73	18.55	5.01	0.00	5.01
16.00	7.67	0.00	7.67	18.60	5.00	0.00	5.00
16.05	7.61	0.00	7.61	18.65	4.98	0.00	4.98
16.10	7.56	0.00	7.56	18.70	4.97	0.00	4.97
16.15	7.51	0.00	7.51	18.75	4.96	0.00	4.96
16.20	7.46	0.00	7.46	18.80	4.94	0.00	4.94
16.25	7.40	0.00	7.40	18.85	4.93	0.00	4.93
16.30	7.34	0.00	7.34	18.90	4.92	0.00	4.92
16.35	7.27	0.00	7.27	18.95	4.90	0.00	4.90
16.40	7.22	0.00	7.22	19.00	4.89	0.00	4.89
16.45	7.17	0.00	7.17	19.05	4.87	0.00	4.87
16.50	7.10	0.00	7.10	19.10	4.86	0.00	4.86
16.55	7.04	0.00	7.04	19.15	4.85	0.00	4.85
16.60	6.99	0.00	6.99	19.20	4.83	0.00	4.83
16.65	6.94	0.00	6.94	19.25	4.82	0.00	4.82
16.70	6.88	0.00	6.88	19.30	4.80	0.00	4.80
16.75	6.83	0.00	6.83	19.35	4.79	0.00	4.79
16.80	6.76	0.00	6.76	19.40	4.77	0.00	4.77
16.85	6.69	0.00	6.69	19.45	4.76	0.00	4.76
16.90	6.64	0.00	6.64	19.50	4.75	0.00	4.75
16.95	6.59	0.00	6.59	19.55	4.73	0.00	4.73
17.00	6.53	0.00	6.53	19.60	4.72	0.00	4.72
17.05	6.48	0.00	6.48	19.65	4.70	0.00	4.70
17.10	6.42	0.00	6.42	19.70	4.69	0.00	4.69
17.15	6.36	0.00	6.36	19.75	4.68	0.00	4.68
17.20	6.30	0.00	6.30	19.80	4.67	0.00	4.67
17.25	6.24	0.00	6.24	19.85	4.67	0.00	4.67
17.30	6.17	0.00	6.17	19.90	4.65	0.00	4.65
17.35	6.10	0.00	6.10	19.95	4.63	0.00	4.63
17.40	6.05	0.00	6.05	20.00	4.61	0.00	4.61
17.45	6.00	0.00	6.00	20.05	4.59	0.00	4.59
17.50	5.94	0.00	5.94	20.10	4.58	0.00	4.58
17.55	5.88	0.00	5.88	20.15	4.56	0.00	4.56
17.60	5.82	0.00	5.82	20.20	4.55	0.00	4.55
17.65	5.76	0.00	5.76	20.25	4.53	0.00	4.53
17.70	5.70	0.00	5.70	20.30	4.52	0.00	4.52
17.75	5.64	0.00	5.64	20.35	4.50	0.00	4.50
17.80	5.58	0.00	5.58	20.40	4.49	0.00	4.49
17.85	5.52	0.00	5.52	20.45	4.47	0.00	4.47
17.90	5.46	0.00	5.46	20.50	4.46	0.00	4.46
17.95	5.40	0.00	5.40	20.55	4.44	0.00	4.44
18.00	5.34	0.00	5.34	20.60	4.44	0.00	4.44
18.05	5.28	0.00	5.28	20.65	4.43	0.00	4.43
18.10	5.22	0.00	5.22	20.70	4.42	0.00	4.42
18.15	5.16	0.00	5.16	20.75	4.39	0.00	4.39

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.37	0.00	4.37	23.40	3.59	0.00	3.59
20.85	4.36	0.00	4.36	23.45	3.59	0.00	3.59
20.90	4.34	0.00	4.34	23.50	3.57	0.00	3.57
20.95	4.33	0.00	4.33	23.55	3.55	0.00	3.55
21.00	4.31	0.00	4.31	23.60	3.52	0.00	3.52
21.05	4.30	0.00	4.30	23.65	3.51	0.00	3.51
21.10	4.28	0.00	4.28	23.70	3.50	0.00	3.50
21.15	4.27	0.00	4.27	23.75	3.49	0.00	3.49
21.20	4.25	0.00	4.25	23.80	3.48	0.00	3.48
21.25	4.24	0.00	4.24	23.85	3.45	0.00	3.45
21.30	4.23	0.00	4.23	23.90	3.43	0.00	3.43
21.35	4.23	0.00	4.23	23.95	3.46	0.00	3.46
21.40	4.21	0.00	4.21	24.00	3.66	0.00	3.66
21.45	4.19	0.00	4.19	24.05	3.72	0.00	3.72
21.50	4.17	0.00	4.17	24.10	2.78	0.00	2.78
21.55	4.15	0.00	4.15	24.15	1.43	0.00	1.43
21.60	4.13	0.00	4.13	24.20	0.62	0.00	0.62
21.65	4.12	0.00	4.12	24.25	0.27	0.00	0.27
21.70	4.10	0.00	4.10	24.30	0.12	0.00	0.12
21.75	4.09	0.00	4.09	24.35	0.05	0.00	0.05
21.80	4.08	0.00	4.08	24.40	0.02	0.00	0.02
21.85	4.08	0.00	4.08	24.45	0.01	0.00	0.01
21.90	4.06	0.00	4.06	24.50	0.00	0.00	0.00
21.95	4.04	0.00	4.04	24.55	0.00	0.00	0.00
22.00	4.02	0.00	4.02	24.60	0.00	0.00	0.00
22.05	4.00	0.00	4.00	24.65	0.00	0.00	0.00
22.10	3.98	0.00	3.98	24.70	0.00	0.00	0.00
22.15	3.97	0.00	3.97	24.75	0.00	0.00	0.00
22.20	3.96	0.00	3.96	24.80	0.00	0.00	0.00
22.25	3.96	0.00	3.96	24.85	0.00	0.00	0.00
22.30	3.94	0.00	3.94	24.90	0.00	0.00	0.00
22.35	3.92	0.00	3.92	24.95	0.00	0.00	0.00
22.40	3.89	0.00	3.89	25.00	0.00	0.00	0.00
22.45	3.88	0.00	3.88	25.05	0.00	0.00	0.00
22.50	3.86	0.00	3.86	25.10	0.00	0.00	0.00
22.55	3.85	0.00	3.85	25.15	0.00	0.00	0.00
22.60	3.84	0.00	3.84	25.20	0.00	0.00	0.00
22.65	3.83	0.00	3.83	25.25	0.00	0.00	0.00
22.70	3.82	0.00	3.82	25.30	0.00	0.00	0.00
22.75	3.79	0.00	3.79	25.35	0.00	0.00	0.00
22.80	3.77	0.00	3.77	25.40	0.00	0.00	0.00
22.85	3.75	0.00	3.75	25.45	0.00	0.00	0.00
22.90	3.74	0.00	3.74	25.50	0.00	0.00	0.00
22.95	3.72	0.00	3.72	25.55	0.00	0.00	0.00
23.00	3.72	0.00	3.72	25.60	0.00	0.00	0.00
23.05	3.71	0.00	3.71	25.65	0.00	0.00	0.00
23.10	3.69	0.00	3.69	25.70	0.00	0.00	0.00
23.15	3.67	0.00	3.67	25.75	0.00	0.00	0.00
23.20	3.65	0.00	3.65	25.80	0.00	0.00	0.00
23.25	3.63	0.00	3.63	25.85	0.00	0.00	0.00
23.30	3.61	0.00	3.61	25.90	0.00	0.00	0.00
23.35	3.60	0.00	3.60	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

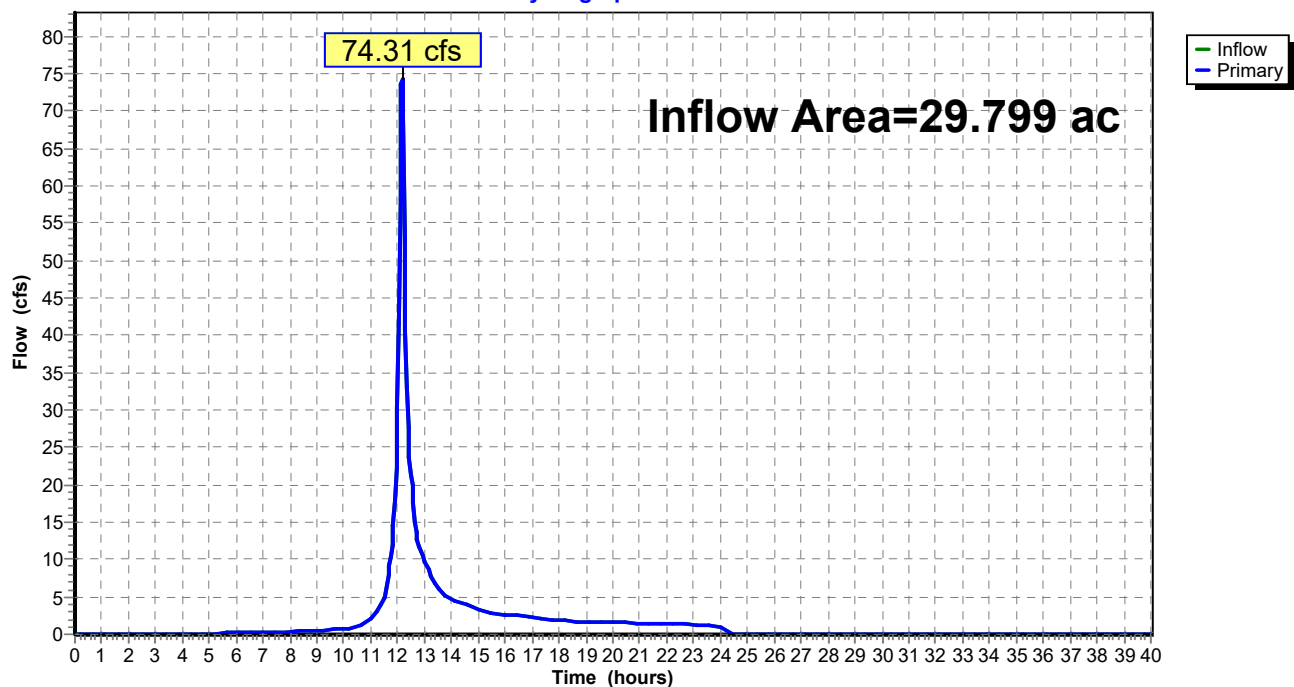
Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.23" for Current 10 yr event
Inflow = 74.31 cfs @ 12.16 hrs, Volume= 5.541 af
Primary = 74.31 cfs @ 12.16 hrs, Volume= 5.541 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10**Hydrograph**

Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.03	0.00	0.03
1.10	0.00	0.00	0.00	3.70	0.03	0.00	0.03
1.15	0.00	0.00	0.00	3.75	0.03	0.00	0.03
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.00	0.00	0.00	4.00	0.05	0.00	0.05
1.45	0.00	0.00	0.00	4.05	0.05	0.00	0.05
1.50	0.00	0.00	0.00	4.10	0.05	0.00	0.05
1.55	0.00	0.00	0.00	4.15	0.05	0.00	0.05
1.60	0.00	0.00	0.00	4.20	0.06	0.00	0.06
1.65	0.00	0.00	0.00	4.25	0.06	0.00	0.06
1.70	0.00	0.00	0.00	4.30	0.06	0.00	0.06
1.75	0.00	0.00	0.00	4.35	0.06	0.00	0.06
1.80	0.00	0.00	0.00	4.40	0.07	0.00	0.07
1.85	0.00	0.00	0.00	4.45	0.07	0.00	0.07
1.90	0.00	0.00	0.00	4.50	0.07	0.00	0.07
1.95	0.00	0.00	0.00	4.55	0.07	0.00	0.07
2.00	0.00	0.00	0.00	4.60	0.08	0.00	0.08
2.05	0.00	0.00	0.00	4.65	0.08	0.00	0.08
2.10	0.00	0.00	0.00	4.70	0.08	0.00	0.08
2.15	0.00	0.00	0.00	4.75	0.08	0.00	0.08
2.20	0.00	0.00	0.00	4.80	0.09	0.00	0.09
2.25	0.00	0.00	0.00	4.85	0.09	0.00	0.09
2.30	0.00	0.00	0.00	4.90	0.09	0.00	0.09
2.35	0.00	0.00	0.00	4.95	0.09	0.00	0.09
2.40	0.00	0.00	0.00	5.00	0.10	0.00	0.10
2.45	0.00	0.00	0.00	5.05	0.10	0.00	0.10
2.50	0.00	0.00	0.00	5.10	0.10	0.00	0.10
2.55	0.00	0.00	0.00	5.15	0.10	0.00	0.10

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.11	0.00	0.11	7.80	0.30	0.00	0.30
5.25	0.11	0.00	0.11	7.85	0.31	0.00	0.31
5.30	0.11	0.00	0.11	7.90	0.31	0.00	0.31
5.35	0.11	0.00	0.11	7.95	0.32	0.00	0.32
5.40	0.12	0.00	0.12	8.00	0.32	0.00	0.32
5.45	0.12	0.00	0.12	8.05	0.33	0.00	0.33
5.50	0.12	0.00	0.12	8.10	0.33	0.00	0.33
5.55	0.12	0.00	0.12	8.15	0.34	0.00	0.34
5.60	0.13	0.00	0.13	8.20	0.34	0.00	0.34
5.65	0.13	0.00	0.13	8.25	0.35	0.00	0.35
5.70	0.13	0.00	0.13	8.30	0.35	0.00	0.35
5.75	0.13	0.00	0.13	8.35	0.36	0.00	0.36
5.80	0.13	0.00	0.13	8.40	0.37	0.00	0.37
5.85	0.14	0.00	0.14	8.45	0.37	0.00	0.37
5.90	0.14	0.00	0.14	8.50	0.38	0.00	0.38
5.95	0.14	0.00	0.14	8.55	0.38	0.00	0.38
6.00	0.14	0.00	0.14	8.60	0.39	0.00	0.39
6.05	0.15	0.00	0.15	8.65	0.39	0.00	0.39
6.10	0.15	0.00	0.15	8.70	0.40	0.00	0.40
6.15	0.15	0.00	0.15	8.75	0.40	0.00	0.40
6.20	0.16	0.00	0.16	8.80	0.41	0.00	0.41
6.25	0.16	0.00	0.16	8.85	0.42	0.00	0.42
6.30	0.16	0.00	0.16	8.90	0.42	0.00	0.42
6.35	0.17	0.00	0.17	8.95	0.43	0.00	0.43
6.40	0.17	0.00	0.17	9.00	0.43	0.00	0.43
6.45	0.18	0.00	0.18	9.05	0.44	0.00	0.44
6.50	0.18	0.00	0.18	9.10	0.45	0.00	0.45
6.55	0.19	0.00	0.19	9.15	0.46	0.00	0.46
6.60	0.19	0.00	0.19	9.20	0.48	0.00	0.48
6.65	0.19	0.00	0.19	9.25	0.49	0.00	0.49
6.70	0.20	0.00	0.20	9.30	0.51	0.00	0.51
6.75	0.20	0.00	0.20	9.35	0.52	0.00	0.52
6.80	0.21	0.00	0.21	9.40	0.54	0.00	0.54
6.85	0.21	0.00	0.21	9.45	0.55	0.00	0.55
6.90	0.21	0.00	0.21	9.50	0.57	0.00	0.57
6.95	0.22	0.00	0.22	9.55	0.58	0.00	0.58
7.00	0.22	0.00	0.22	9.60	0.60	0.00	0.60
7.05	0.23	0.00	0.23	9.65	0.62	0.00	0.62
7.10	0.23	0.00	0.23	9.70	0.63	0.00	0.63
7.15	0.24	0.00	0.24	9.75	0.65	0.00	0.65
7.20	0.24	0.00	0.24	9.80	0.66	0.00	0.66
7.25	0.25	0.00	0.25	9.85	0.68	0.00	0.68
7.30	0.25	0.00	0.25	9.90	0.70	0.00	0.70
7.35	0.26	0.00	0.26	9.95	0.72	0.00	0.72
7.40	0.26	0.00	0.26	10.00	0.73	0.00	0.73
7.45	0.27	0.00	0.27	10.05	0.75	0.00	0.75
7.50	0.27	0.00	0.27	10.10	0.77	0.00	0.77
7.55	0.28	0.00	0.28	10.15	0.79	0.00	0.79
7.60	0.28	0.00	0.28	10.20	0.80	0.00	0.80
7.65	0.29	0.00	0.29	10.25	0.82	0.00	0.82
7.70	0.29	0.00	0.29	10.30	0.84	0.00	0.84
7.75	0.30	0.00	0.30	10.35	0.86	0.00	0.86

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.89	0.00	0.89	13.00	9.91	0.00	9.91
10.45	0.93	0.00	0.93	13.05	9.41	0.00	9.41
10.50	0.98	0.00	0.98	13.10	8.89	0.00	8.89
10.55	1.03	0.00	1.03	13.15	8.41	0.00	8.41
10.60	1.11	0.00	1.11	13.20	8.02	0.00	8.02
10.65	1.21	0.00	1.21	13.25	7.70	0.00	7.70
10.70	1.31	0.00	1.31	13.30	7.40	0.00	7.40
10.75	1.42	0.00	1.42	13.35	7.12	0.00	7.12
10.80	1.55	0.00	1.55	13.40	6.83	0.00	6.83
10.85	1.68	0.00	1.68	13.45	6.55	0.00	6.55
10.90	1.81	0.00	1.81	13.50	6.27	0.00	6.27
10.95	1.95	0.00	1.95	13.55	5.99	0.00	5.99
11.00	2.11	0.00	2.11	13.60	5.71	0.00	5.71
11.05	2.27	0.00	2.27	13.65	5.45	0.00	5.45
11.10	2.48	0.00	2.48	13.70	5.27	0.00	5.27
11.15	2.72	0.00	2.72	13.75	5.15	0.00	5.15
11.20	2.99	0.00	2.99	13.80	5.06	0.00	5.06
11.25	3.27	0.00	3.27	13.85	4.98	0.00	4.98
11.30	3.58	0.00	3.58	13.90	4.91	0.00	4.91
11.35	3.90	0.00	3.90	13.95	4.84	0.00	4.84
11.40	4.24	0.00	4.24	14.00	4.77	0.00	4.77
11.45	4.59	0.00	4.59	14.05	4.69	0.00	4.69
11.50	4.95	0.00	4.95	14.10	4.62	0.00	4.62
11.55	5.44	0.00	5.44	14.15	4.55	0.00	4.55
11.60	6.57	0.00	6.57	14.20	4.48	0.00	4.48
11.65	8.00	0.00	8.00	14.25	4.41	0.00	4.41
11.70	9.15	0.00	9.15	14.30	4.33	0.00	4.33
11.75	10.22	0.00	10.22	14.35	4.26	0.00	4.26
11.80	12.00	0.00	12.00	14.40	4.18	0.00	4.18
11.85	14.42	0.00	14.42	14.45	4.11	0.00	4.11
11.90	17.78	0.00	17.78	14.50	4.03	0.00	4.03
11.95	22.35	0.00	22.35	14.55	3.96	0.00	3.96
12.00	30.29	0.00	30.29	14.60	3.89	0.00	3.89
12.05	41.43	0.00	41.43	14.65	3.81	0.00	3.81
12.10	58.09	0.00	58.09	14.70	3.73	0.00	3.73
12.15	73.53	0.00	73.53	14.75	3.66	0.00	3.66
12.20	69.18	0.00	69.18	14.80	3.58	0.00	3.58
12.25	53.17	0.00	53.17	14.85	3.51	0.00	3.51
12.30	40.88	0.00	40.88	14.90	3.43	0.00	3.43
12.35	33.15	0.00	33.15	14.95	3.35	0.00	3.35
12.40	27.64	0.00	27.64	15.00	3.27	0.00	3.27
12.45	23.66	0.00	23.66	15.05	3.20	0.00	3.20
12.50	21.39	0.00	21.39	15.10	3.12	0.00	3.12
12.55	19.93	0.00	19.93	15.15	3.05	0.00	3.05
12.60	17.64	0.00	17.64	15.20	3.01	0.00	3.01
12.65	15.11	0.00	15.11	15.25	2.97	0.00	2.97
12.70	13.52	0.00	13.52	15.30	2.94	0.00	2.94
12.75	12.64	0.00	12.64	15.35	2.92	0.00	2.92
12.80	11.98	0.00	11.98	15.40	2.91	0.00	2.91
12.85	11.44	0.00	11.44	15.45	2.89	0.00	2.89
12.90	10.91	0.00	10.91	15.50	2.87	0.00	2.87
12.95	10.41	0.00	10.41	15.55	2.85	0.00	2.85

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.83	0.00	2.83	18.20	1.78	0.00	1.78
15.65	2.81	0.00	2.81	18.25	1.77	0.00	1.77
15.70	2.79	0.00	2.79	18.30	1.76	0.00	1.76
15.75	2.77	0.00	2.77	18.35	1.76	0.00	1.76
15.80	2.75	0.00	2.75	18.40	1.75	0.00	1.75
15.85	2.73	0.00	2.73	18.45	1.75	0.00	1.75
15.90	2.71	0.00	2.71	18.50	1.74	0.00	1.74
15.95	2.69	0.00	2.69	18.55	1.74	0.00	1.74
16.00	2.67	0.00	2.67	18.60	1.73	0.00	1.73
16.05	2.65	0.00	2.65	18.65	1.73	0.00	1.73
16.10	2.63	0.00	2.63	18.70	1.72	0.00	1.72
16.15	2.61	0.00	2.61	18.75	1.72	0.00	1.72
16.20	2.60	0.00	2.60	18.80	1.71	0.00	1.71
16.25	2.58	0.00	2.58	18.85	1.71	0.00	1.71
16.30	2.55	0.00	2.55	18.90	1.70	0.00	1.70
16.35	2.53	0.00	2.53	18.95	1.70	0.00	1.70
16.40	2.51	0.00	2.51	19.00	1.69	0.00	1.69
16.45	2.49	0.00	2.49	19.05	1.69	0.00	1.69
16.50	2.47	0.00	2.47	19.10	1.68	0.00	1.68
16.55	2.45	0.00	2.45	19.15	1.68	0.00	1.68
16.60	2.43	0.00	2.43	19.20	1.67	0.00	1.67
16.65	2.41	0.00	2.41	19.25	1.67	0.00	1.67
16.70	2.39	0.00	2.39	19.30	1.66	0.00	1.66
16.75	2.37	0.00	2.37	19.35	1.66	0.00	1.66
16.80	2.35	0.00	2.35	19.40	1.65	0.00	1.65
16.85	2.33	0.00	2.33	19.45	1.65	0.00	1.65
16.90	2.31	0.00	2.31	19.50	1.64	0.00	1.64
16.95	2.29	0.00	2.29	19.55	1.64	0.00	1.64
17.00	2.27	0.00	2.27	19.60	1.63	0.00	1.63
17.05	2.25	0.00	2.25	19.65	1.63	0.00	1.63
17.10	2.23	0.00	2.23	19.70	1.62	0.00	1.62
17.15	2.21	0.00	2.21	19.75	1.62	0.00	1.62
17.20	2.19	0.00	2.19	19.80	1.62	0.00	1.62
17.25	2.17	0.00	2.17	19.85	1.61	0.00	1.61
17.30	2.14	0.00	2.14	19.90	1.61	0.00	1.61
17.35	2.12	0.00	2.12	19.95	1.60	0.00	1.60
17.40	2.10	0.00	2.10	20.00	1.59	0.00	1.59
17.45	2.08	0.00	2.08	20.05	1.59	0.00	1.59
17.50	2.06	0.00	2.06	20.10	1.58	0.00	1.58
17.55	2.04	0.00	2.04	20.15	1.58	0.00	1.58
17.60	2.02	0.00	2.02	20.20	1.57	0.00	1.57
17.65	2.00	0.00	2.00	20.25	1.57	0.00	1.57
17.70	1.98	0.00	1.98	20.30	1.56	0.00	1.56
17.75	1.96	0.00	1.96	20.35	1.56	0.00	1.56
17.80	1.94	0.00	1.94	20.40	1.55	0.00	1.55
17.85	1.92	0.00	1.92	20.45	1.55	0.00	1.55
17.90	1.89	0.00	1.89	20.50	1.54	0.00	1.54
17.95	1.87	0.00	1.87	20.55	1.54	0.00	1.54
18.00	1.85	0.00	1.85	20.60	1.53	0.00	1.53
18.05	1.83	0.00	1.83	20.65	1.53	0.00	1.53
18.10	1.81	0.00	1.81	20.70	1.53	0.00	1.53
18.15	1.79	0.00	1.79	20.75	1.52	0.00	1.52

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.51	0.00	1.51	23.40	1.24	0.00	1.24
20.85	1.51	0.00	1.51	23.45	1.24	0.00	1.24
20.90	1.50	0.00	1.50	23.50	1.23	0.00	1.23
20.95	1.49	0.00	1.49	23.55	1.22	0.00	1.22
21.00	1.49	0.00	1.49	23.60	1.21	0.00	1.21
21.05	1.48	0.00	1.48	23.65	1.21	0.00	1.21
21.10	1.48	0.00	1.48	23.70	1.21	0.00	1.21
21.15	1.47	0.00	1.47	23.75	1.20	0.00	1.20
21.20	1.47	0.00	1.47	23.80	1.20	0.00	1.20
21.25	1.46	0.00	1.46	23.85	1.19	0.00	1.19
21.30	1.46	0.00	1.46	23.90	1.18	0.00	1.18
21.35	1.46	0.00	1.46	23.95	1.19	0.00	1.19
21.40	1.45	0.00	1.45	24.00	1.26	0.00	1.26
21.45	1.45	0.00	1.45	24.05	1.28	0.00	1.28
21.50	1.44	0.00	1.44	24.10	0.96	0.00	0.96
21.55	1.43	0.00	1.43	24.15	0.49	0.00	0.49
21.60	1.43	0.00	1.43	24.20	0.21	0.00	0.21
21.65	1.42	0.00	1.42	24.25	0.09	0.00	0.09
21.70	1.42	0.00	1.42	24.30	0.04	0.00	0.04
21.75	1.41	0.00	1.41	24.35	0.02	0.00	0.02
21.80	1.41	0.00	1.41	24.40	0.01	0.00	0.01
21.85	1.41	0.00	1.41	24.45	0.00	0.00	0.00
21.90	1.40	0.00	1.40	24.50	0.00	0.00	0.00
21.95	1.39	0.00	1.39	24.55	0.00	0.00	0.00
22.00	1.39	0.00	1.39	24.60	0.00	0.00	0.00
22.05	1.38	0.00	1.38	24.65	0.00	0.00	0.00
22.10	1.37	0.00	1.37	24.70	0.00	0.00	0.00
22.15	1.37	0.00	1.37	24.75	0.00	0.00	0.00
22.20	1.37	0.00	1.37	24.80	0.00	0.00	0.00
22.25	1.36	0.00	1.36	24.85	0.00	0.00	0.00
22.30	1.36	0.00	1.36	24.90	0.00	0.00	0.00
22.35	1.35	0.00	1.35	24.95	0.00	0.00	0.00
22.40	1.34	0.00	1.34	25.00	0.00	0.00	0.00
22.45	1.34	0.00	1.34	25.05	0.00	0.00	0.00
22.50	1.33	0.00	1.33	25.10	0.00	0.00	0.00
22.55	1.33	0.00	1.33	25.15	0.00	0.00	0.00
22.60	1.32	0.00	1.32	25.20	0.00	0.00	0.00
22.65	1.32	0.00	1.32	25.25	0.00	0.00	0.00
22.70	1.32	0.00	1.32	25.30	0.00	0.00	0.00
22.75	1.31	0.00	1.31	25.35	0.00	0.00	0.00
22.80	1.30	0.00	1.30	25.40	0.00	0.00	0.00
22.85	1.29	0.00	1.29	25.45	0.00	0.00	0.00
22.90	1.29	0.00	1.29	25.50	0.00	0.00	0.00
22.95	1.28	0.00	1.28	25.55	0.00	0.00	0.00
23.00	1.28	0.00	1.28	25.60	0.00	0.00	0.00
23.05	1.28	0.00	1.28	25.65	0.00	0.00	0.00
23.10	1.27	0.00	1.27	25.70	0.00	0.00	0.00
23.15	1.26	0.00	1.26	25.75	0.00	0.00	0.00
23.20	1.26	0.00	1.26	25.80	0.00	0.00	0.00
23.25	1.25	0.00	1.25	25.85	0.00	0.00	0.00
23.30	1.25	0.00	1.25	25.90	0.00	0.00	0.00
23.35	1.24	0.00	1.24	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

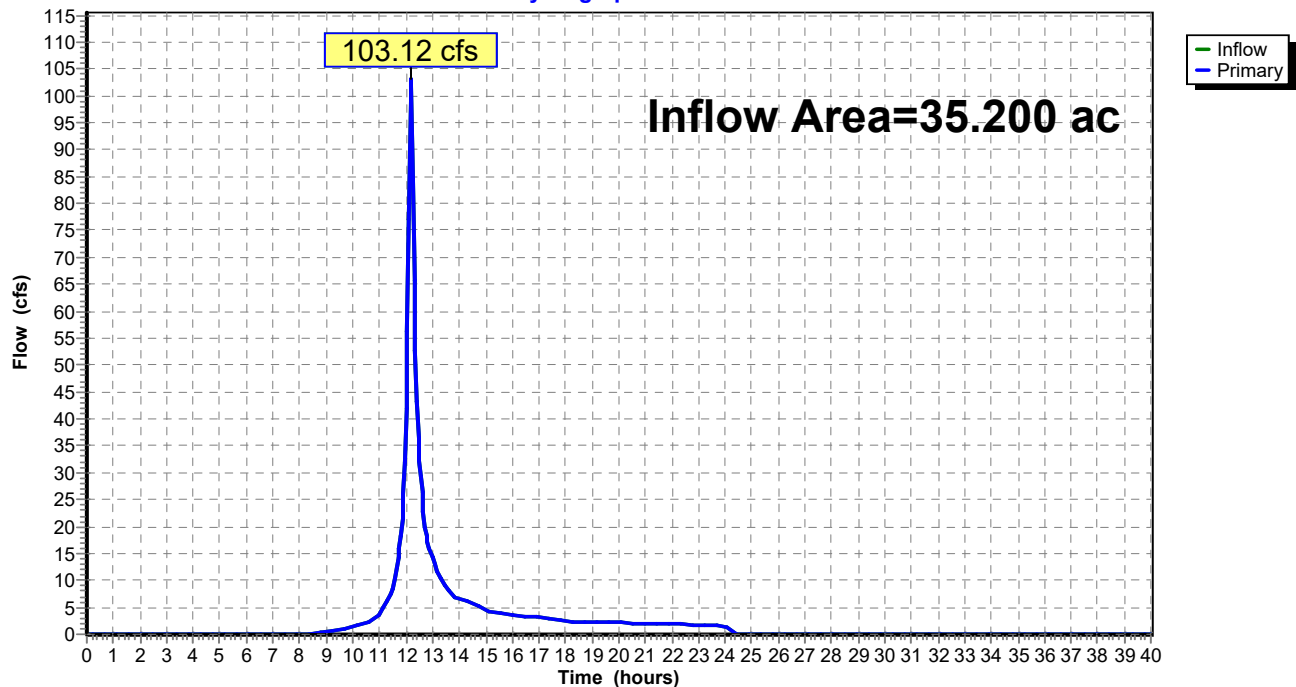
Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 2.68" for Current 10 yr event
 Inflow = 103.12 cfs @ 12.18 hrs, Volume= 7.866 af
 Primary = 103.12 cfs @ 12.18 hrs, Volume= 7.866 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.01	0.00	0.01
5.50	0.00	0.00	0.00	8.10	0.02	0.00	0.02
5.55	0.00	0.00	0.00	8.15	0.03	0.00	0.03
5.60	0.00	0.00	0.00	8.20	0.05	0.00	0.05
5.65	0.00	0.00	0.00	8.25	0.06	0.00	0.06
5.70	0.00	0.00	0.00	8.30	0.08	0.00	0.08
5.75	0.00	0.00	0.00	8.35	0.10	0.00	0.10
5.80	0.00	0.00	0.00	8.40	0.12	0.00	0.12
5.85	0.00	0.00	0.00	8.45	0.14	0.00	0.14
5.90	0.00	0.00	0.00	8.50	0.16	0.00	0.16
5.95	0.00	0.00	0.00	8.55	0.18	0.00	0.18
6.00	0.00	0.00	0.00	8.60	0.20	0.00	0.20
6.05	0.00	0.00	0.00	8.65	0.22	0.00	0.22
6.10	0.00	0.00	0.00	8.70	0.24	0.00	0.24
6.15	0.00	0.00	0.00	8.75	0.26	0.00	0.26
6.20	0.00	0.00	0.00	8.80	0.29	0.00	0.29
6.25	0.00	0.00	0.00	8.85	0.31	0.00	0.31
6.30	0.00	0.00	0.00	8.90	0.33	0.00	0.33
6.35	0.00	0.00	0.00	8.95	0.35	0.00	0.35
6.40	0.00	0.00	0.00	9.00	0.38	0.00	0.38
6.45	0.00	0.00	0.00	9.05	0.40	0.00	0.40
6.50	0.00	0.00	0.00	9.10	0.43	0.00	0.43
6.55	0.00	0.00	0.00	9.15	0.46	0.00	0.46
6.60	0.00	0.00	0.00	9.20	0.49	0.00	0.49
6.65	0.00	0.00	0.00	9.25	0.53	0.00	0.53
6.70	0.00	0.00	0.00	9.30	0.57	0.00	0.57
6.75	0.00	0.00	0.00	9.35	0.61	0.00	0.61
6.80	0.00	0.00	0.00	9.40	0.65	0.00	0.65
6.85	0.00	0.00	0.00	9.45	0.69	0.00	0.69
6.90	0.00	0.00	0.00	9.50	0.73	0.00	0.73
6.95	0.00	0.00	0.00	9.55	0.78	0.00	0.78
7.00	0.00	0.00	0.00	9.60	0.83	0.00	0.83
7.05	0.00	0.00	0.00	9.65	0.88	0.00	0.88
7.10	0.00	0.00	0.00	9.70	0.93	0.00	0.93
7.15	0.00	0.00	0.00	9.75	0.98	0.00	0.98
7.20	0.00	0.00	0.00	9.80	1.03	0.00	1.03
7.25	0.00	0.00	0.00	9.85	1.09	0.00	1.09
7.30	0.00	0.00	0.00	9.90	1.15	0.00	1.15
7.35	0.00	0.00	0.00	9.95	1.21	0.00	1.21
7.40	0.00	0.00	0.00	10.00	1.27	0.00	1.27
7.45	0.00	0.00	0.00	10.05	1.33	0.00	1.33
7.50	0.00	0.00	0.00	10.10	1.40	0.00	1.40
7.55	0.00	0.00	0.00	10.15	1.46	0.00	1.46
7.60	0.00	0.00	0.00	10.20	1.53	0.00	1.53
7.65	0.00	0.00	0.00	10.25	1.61	0.00	1.61
7.70	0.00	0.00	0.00	10.30	1.68	0.00	1.68
7.75	0.00	0.00	0.00	10.35	1.75	0.00	1.75

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.83	0.00	1.83	13.00	14.04	0.00	14.04
10.45	1.90	0.00	1.90	13.05	13.32	0.00	13.32
10.50	1.98	0.00	1.98	13.10	12.61	0.00	12.61
10.55	2.07	0.00	2.07	13.15	11.92	0.00	11.92
10.60	2.19	0.00	2.19	13.20	11.32	0.00	11.32
10.65	2.34	0.00	2.34	13.25	10.83	0.00	10.83
10.70	2.51	0.00	2.51	13.30	10.39	0.00	10.39
10.75	2.70	0.00	2.70	13.35	9.98	0.00	9.98
10.80	2.90	0.00	2.90	13.40	9.58	0.00	9.58
10.85	3.11	0.00	3.11	13.45	9.18	0.00	9.18
10.90	3.34	0.00	3.34	13.50	8.79	0.00	8.79
10.95	3.57	0.00	3.57	13.55	8.40	0.00	8.40
11.00	3.81	0.00	3.81	13.60	8.01	0.00	8.01
11.05	4.07	0.00	4.07	13.65	7.63	0.00	7.63
11.10	4.38	0.00	4.38	13.70	7.34	0.00	7.34
11.15	4.76	0.00	4.76	13.75	7.15	0.00	7.15
11.20	5.18	0.00	5.18	13.80	7.00	0.00	7.00
11.25	5.62	0.00	5.62	13.85	6.87	0.00	6.87
11.30	6.10	0.00	6.10	13.90	6.76	0.00	6.76
11.35	6.59	0.00	6.59	13.95	6.66	0.00	6.66
11.40	7.12	0.00	7.12	14.00	6.56	0.00	6.56
11.45	7.66	0.00	7.66	14.05	6.46	0.00	6.46
11.50	8.21	0.00	8.21	14.10	6.35	0.00	6.35
11.55	8.89	0.00	8.89	14.15	6.25	0.00	6.25
11.60	10.30	0.00	10.30	14.20	6.15	0.00	6.15
11.65	12.37	0.00	12.37	14.25	6.05	0.00	6.05
11.70	14.28	0.00	14.28	14.30	5.95	0.00	5.95
11.75	15.93	0.00	15.93	14.35	5.85	0.00	5.85
11.80	18.25	0.00	18.25	14.40	5.74	0.00	5.74
11.85	21.56	0.00	21.56	14.45	5.64	0.00	5.64
11.90	26.05	0.00	26.05	14.50	5.54	0.00	5.54
11.95	32.05	0.00	32.05	14.55	5.44	0.00	5.44
12.00	41.87	0.00	41.87	14.60	5.33	0.00	5.33
12.05	56.27	0.00	56.27	14.65	5.23	0.00	5.23
12.10	77.05	0.00	77.05	14.70	5.12	0.00	5.12
12.15	98.90	0.00	98.90	14.75	5.02	0.00	5.02
12.20	101.89	0.00	101.89	14.80	4.92	0.00	4.92
12.25	84.80	0.00	84.80	14.85	4.81	0.00	4.81
12.30	65.87	0.00	65.87	14.90	4.71	0.00	4.71
12.35	52.74	0.00	52.74	14.95	4.60	0.00	4.60
12.40	43.41	0.00	43.41	15.00	4.49	0.00	4.49
12.45	36.60	0.00	36.60	15.05	4.39	0.00	4.39
12.50	32.15	0.00	32.15	15.10	4.28	0.00	4.28
12.55	29.39	0.00	29.39	15.15	4.19	0.00	4.19
12.60	26.34	0.00	26.34	15.20	4.11	0.00	4.11
12.65	22.74	0.00	22.74	15.25	4.05	0.00	4.05
12.70	19.97	0.00	19.97	15.30	4.01	0.00	4.01
12.75	18.32	0.00	18.32	15.35	3.98	0.00	3.98
12.80	17.20	0.00	17.20	15.40	3.95	0.00	3.95
12.85	16.31	0.00	16.31	15.45	3.92	0.00	3.92
12.90	15.51	0.00	15.51	15.50	3.90	0.00	3.90
12.95	14.77	0.00	14.77	15.55	3.87	0.00	3.87

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.84	0.00	3.84	18.20	2.39	0.00	2.39
15.65	3.82	0.00	3.82	18.25	2.38	0.00	2.38
15.70	3.79	0.00	3.79	18.30	2.37	0.00	2.37
15.75	3.76	0.00	3.76	18.35	2.36	0.00	2.36
15.80	3.73	0.00	3.73	18.40	2.35	0.00	2.35
15.85	3.70	0.00	3.70	18.45	2.35	0.00	2.35
15.90	3.67	0.00	3.67	18.50	2.34	0.00	2.34
15.95	3.65	0.00	3.65	18.55	2.33	0.00	2.33
16.00	3.62	0.00	3.62	18.60	2.33	0.00	2.33
16.05	3.59	0.00	3.59	18.65	2.32	0.00	2.32
16.10	3.57	0.00	3.57	18.70	2.31	0.00	2.31
16.15	3.54	0.00	3.54	18.75	2.31	0.00	2.31
16.20	3.52	0.00	3.52	18.80	2.30	0.00	2.30
16.25	3.49	0.00	3.49	18.85	2.29	0.00	2.29
16.30	3.46	0.00	3.46	18.90	2.28	0.00	2.28
16.35	3.43	0.00	3.43	18.95	2.28	0.00	2.28
16.40	3.40	0.00	3.40	19.00	2.27	0.00	2.27
16.45	3.38	0.00	3.38	19.05	2.26	0.00	2.26
16.50	3.35	0.00	3.35	19.10	2.26	0.00	2.26
16.55	3.32	0.00	3.32	19.15	2.25	0.00	2.25
16.60	3.29	0.00	3.29	19.20	2.24	0.00	2.24
16.65	3.26	0.00	3.26	19.25	2.24	0.00	2.24
16.70	3.24	0.00	3.24	19.30	2.23	0.00	2.23
16.75	3.21	0.00	3.21	19.35	2.22	0.00	2.22
16.80	3.18	0.00	3.18	19.40	2.22	0.00	2.22
16.85	3.15	0.00	3.15	19.45	2.21	0.00	2.21
16.90	3.12	0.00	3.12	19.50	2.20	0.00	2.20
16.95	3.10	0.00	3.10	19.55	2.19	0.00	2.19
17.00	3.07	0.00	3.07	19.60	2.19	0.00	2.19
17.05	3.04	0.00	3.04	19.65	2.18	0.00	2.18
17.10	3.01	0.00	3.01	19.70	2.17	0.00	2.17
17.15	2.99	0.00	2.99	19.75	2.17	0.00	2.17
17.20	2.96	0.00	2.96	19.80	2.16	0.00	2.16
17.25	2.93	0.00	2.93	19.85	2.16	0.00	2.16
17.30	2.90	0.00	2.90	19.90	2.15	0.00	2.15
17.35	2.87	0.00	2.87	19.95	2.14	0.00	2.14
17.40	2.84	0.00	2.84	20.00	2.13	0.00	2.13
17.45	2.81	0.00	2.81	20.05	2.13	0.00	2.13
17.50	2.79	0.00	2.79	20.10	2.12	0.00	2.12
17.55	2.76	0.00	2.76	20.15	2.11	0.00	2.11
17.60	2.73	0.00	2.73	20.20	2.10	0.00	2.10
17.65	2.70	0.00	2.70	20.25	2.10	0.00	2.10
17.70	2.67	0.00	2.67	20.30	2.09	0.00	2.09
17.75	2.64	0.00	2.64	20.35	2.08	0.00	2.08
17.80	2.62	0.00	2.62	20.40	2.08	0.00	2.08
17.85	2.59	0.00	2.59	20.45	2.07	0.00	2.07
17.90	2.56	0.00	2.56	20.50	2.06	0.00	2.06
17.95	2.53	0.00	2.53	20.55	2.06	0.00	2.06
18.00	2.50	0.00	2.50	20.60	2.05	0.00	2.05
18.05	2.47	0.00	2.47	20.65	2.05	0.00	2.05
18.10	2.44	0.00	2.44	20.70	2.04	0.00	2.04
18.15	2.42	0.00	2.42	20.75	2.03	0.00	2.03

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.02	0.00	2.02	23.40	1.65	0.00	1.65
20.85	2.01	0.00	2.01	23.45	1.65	0.00	1.65
20.90	2.01	0.00	2.01	23.50	1.64	0.00	1.64
20.95	2.00	0.00	2.00	23.55	1.63	0.00	1.63
21.00	1.99	0.00	1.99	23.60	1.62	0.00	1.62
21.05	1.98	0.00	1.98	23.65	1.61	0.00	1.61
21.10	1.98	0.00	1.98	23.70	1.61	0.00	1.61
21.15	1.97	0.00	1.97	23.75	1.60	0.00	1.60
21.20	1.96	0.00	1.96	23.80	1.59	0.00	1.59
21.25	1.96	0.00	1.96	23.85	1.58	0.00	1.58
21.30	1.95	0.00	1.95	23.90	1.57	0.00	1.57
21.35	1.95	0.00	1.95	23.95	1.58	0.00	1.58
21.40	1.94	0.00	1.94	24.00	1.64	0.00	1.64
21.45	1.93	0.00	1.93	24.05	1.69	0.00	1.69
21.50	1.92	0.00	1.92	24.10	1.43	0.00	1.43
21.55	1.91	0.00	1.91	24.15	0.89	0.00	0.89
21.60	1.91	0.00	1.91	24.20	0.45	0.00	0.45
21.65	1.90	0.00	1.90	24.25	0.22	0.00	0.22
21.70	1.89	0.00	1.89	24.30	0.11	0.00	0.11
21.75	1.88	0.00	1.88	24.35	0.05	0.00	0.05
21.80	1.88	0.00	1.88	24.40	0.03	0.00	0.03
21.85	1.88	0.00	1.88	24.45	0.01	0.00	0.01
21.90	1.87	0.00	1.87	24.50	0.00	0.00	0.00
21.95	1.86	0.00	1.86	24.55	0.00	0.00	0.00
22.00	1.85	0.00	1.85	24.60	0.00	0.00	0.00
22.05	1.84	0.00	1.84	24.65	0.00	0.00	0.00
22.10	1.83	0.00	1.83	24.70	0.00	0.00	0.00
22.15	1.83	0.00	1.83	24.75	0.00	0.00	0.00
22.20	1.82	0.00	1.82	24.80	0.00	0.00	0.00
22.25	1.82	0.00	1.82	24.85	0.00	0.00	0.00
22.30	1.81	0.00	1.81	24.90	0.00	0.00	0.00
22.35	1.80	0.00	1.80	24.95	0.00	0.00	0.00
22.40	1.79	0.00	1.79	25.00	0.00	0.00	0.00
22.45	1.78	0.00	1.78	25.05	0.00	0.00	0.00
22.50	1.78	0.00	1.78	25.10	0.00	0.00	0.00
22.55	1.77	0.00	1.77	25.15	0.00	0.00	0.00
22.60	1.76	0.00	1.76	25.20	0.00	0.00	0.00
22.65	1.76	0.00	1.76	25.25	0.00	0.00	0.00
22.70	1.76	0.00	1.76	25.30	0.00	0.00	0.00
22.75	1.75	0.00	1.75	25.35	0.00	0.00	0.00
22.80	1.74	0.00	1.74	25.40	0.00	0.00	0.00
22.85	1.73	0.00	1.73	25.45	0.00	0.00	0.00
22.90	1.72	0.00	1.72	25.50	0.00	0.00	0.00
22.95	1.71	0.00	1.71	25.55	0.00	0.00	0.00
23.00	1.71	0.00	1.71	25.60	0.00	0.00	0.00
23.05	1.70	0.00	1.70	25.65	0.00	0.00	0.00
23.10	1.70	0.00	1.70	25.70	0.00	0.00	0.00
23.15	1.69	0.00	1.69	25.75	0.00	0.00	0.00
23.20	1.68	0.00	1.68	25.80	0.00	0.00	0.00
23.25	1.67	0.00	1.67	25.85	0.00	0.00	0.00
23.30	1.66	0.00	1.66	25.90	0.00	0.00	0.00
23.35	1.65	0.00	1.65	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

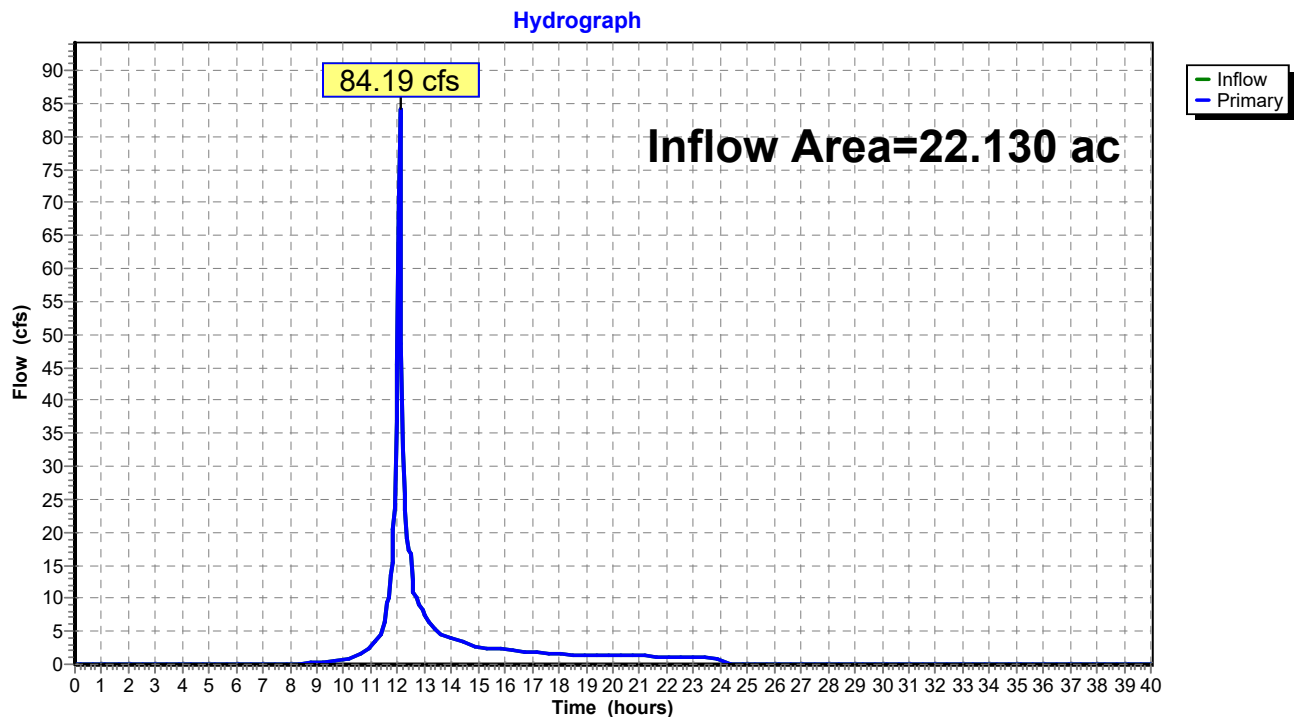
Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 2.59" for Current 10 yr event
Inflow = 84.19 cfs @ 12.09 hrs, Volume= 4.782 af
Primary = 84.19 cfs @ 12.09 hrs, Volume= 4.782 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.02	0.00	0.02
5.75	0.00	0.00	0.00	8.35	0.03	0.00	0.03
5.80	0.00	0.00	0.00	8.40	0.04	0.00	0.04
5.85	0.00	0.00	0.00	8.45	0.05	0.00	0.05
5.90	0.00	0.00	0.00	8.50	0.06	0.00	0.06
5.95	0.00	0.00	0.00	8.55	0.08	0.00	0.08
6.00	0.00	0.00	0.00	8.60	0.09	0.00	0.09
6.05	0.00	0.00	0.00	8.65	0.10	0.00	0.10
6.10	0.00	0.00	0.00	8.70	0.11	0.00	0.11
6.15	0.00	0.00	0.00	8.75	0.13	0.00	0.13
6.20	0.00	0.00	0.00	8.80	0.14	0.00	0.14
6.25	0.00	0.00	0.00	8.85	0.16	0.00	0.16
6.30	0.00	0.00	0.00	8.90	0.17	0.00	0.17
6.35	0.00	0.00	0.00	8.95	0.18	0.00	0.18
6.40	0.00	0.00	0.00	9.00	0.20	0.00	0.20
6.45	0.00	0.00	0.00	9.05	0.22	0.00	0.22
6.50	0.00	0.00	0.00	9.10	0.24	0.00	0.24
6.55	0.00	0.00	0.00	9.15	0.26	0.00	0.26
6.60	0.00	0.00	0.00	9.20	0.28	0.00	0.28
6.65	0.00	0.00	0.00	9.25	0.30	0.00	0.30
6.70	0.00	0.00	0.00	9.30	0.33	0.00	0.33
6.75	0.00	0.00	0.00	9.35	0.35	0.00	0.35
6.80	0.00	0.00	0.00	9.40	0.38	0.00	0.38
6.85	0.00	0.00	0.00	9.45	0.41	0.00	0.41
6.90	0.00	0.00	0.00	9.50	0.43	0.00	0.43
6.95	0.00	0.00	0.00	9.55	0.46	0.00	0.46
7.00	0.00	0.00	0.00	9.60	0.49	0.00	0.49
7.05	0.00	0.00	0.00	9.65	0.53	0.00	0.53
7.10	0.00	0.00	0.00	9.70	0.55	0.00	0.55
7.15	0.00	0.00	0.00	9.75	0.59	0.00	0.59
7.20	0.00	0.00	0.00	9.80	0.62	0.00	0.62
7.25	0.00	0.00	0.00	9.85	0.66	0.00	0.66
7.30	0.00	0.00	0.00	9.90	0.69	0.00	0.69
7.35	0.00	0.00	0.00	9.95	0.74	0.00	0.74
7.40	0.00	0.00	0.00	10.00	0.77	0.00	0.77
7.45	0.00	0.00	0.00	10.05	0.82	0.00	0.82
7.50	0.00	0.00	0.00	10.10	0.85	0.00	0.85
7.55	0.00	0.00	0.00	10.15	0.90	0.00	0.90
7.60	0.00	0.00	0.00	10.20	0.94	0.00	0.94
7.65	0.00	0.00	0.00	10.25	0.99	0.00	0.99
7.70	0.00	0.00	0.00	10.30	1.03	0.00	1.03
7.75	0.00	0.00	0.00	10.35	1.08	0.00	1.08

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.12	0.00	1.12	13.00	7.67	0.00	7.67
10.45	1.18	0.00	1.18	13.05	7.06	0.00	7.06
10.50	1.23	0.00	1.23	13.10	6.79	0.00	6.79
10.55	1.35	0.00	1.35	13.15	6.46	0.00	6.46
10.60	1.44	0.00	1.44	13.20	6.31	0.00	6.31
10.65	1.58	0.00	1.58	13.25	5.99	0.00	5.99
10.70	1.67	0.00	1.67	13.30	5.84	0.00	5.84
10.75	1.83	0.00	1.83	13.35	5.51	0.00	5.51
10.80	1.94	0.00	1.94	13.40	5.36	0.00	5.36
10.85	2.11	0.00	2.11	13.45	5.03	0.00	5.03
10.90	2.22	0.00	2.22	13.50	4.88	0.00	4.88
10.95	2.41	0.00	2.41	13.55	4.55	0.00	4.55
11.00	2.54	0.00	2.54	13.60	4.41	0.00	4.41
11.05	2.85	0.00	2.85	13.65	4.31	0.00	4.31
11.10	3.04	0.00	3.04	13.70	4.27	0.00	4.27
11.15	3.39	0.00	3.39	13.75	4.19	0.00	4.19
11.20	3.61	0.00	3.61	13.80	4.15	0.00	4.15
11.25	3.99	0.00	3.99	13.85	4.07	0.00	4.07
11.30	4.23	0.00	4.23	13.90	4.03	0.00	4.03
11.35	4.65	0.00	4.65	13.95	3.94	0.00	3.94
11.40	4.92	0.00	4.92	14.00	3.90	0.00	3.90
11.45	5.30	0.00	5.30	14.05	3.82	0.00	3.82
11.50	5.63	0.00	5.63	14.10	3.78	0.00	3.78
11.55	7.91	0.00	7.91	14.15	3.70	0.00	3.70
11.60	9.17	0.00	9.17	14.20	3.66	0.00	3.66
11.65	9.90	0.00	9.90	14.25	3.57	0.00	3.57
11.70	10.50	0.00	10.50	14.30	3.53	0.00	3.53
11.75	13.58	0.00	13.58	14.35	3.44	0.00	3.44
11.80	15.49	0.00	15.49	14.40	3.40	0.00	3.40
11.85	20.39	0.00	20.39	14.45	3.32	0.00	3.32
11.90	23.66	0.00	23.66	14.50	3.28	0.00	3.28
11.95	36.93	0.00	36.93	14.55	3.19	0.00	3.19
12.00	45.30	0.00	45.30	14.60	3.15	0.00	3.15
12.05	70.04	0.00	70.04	14.65	3.06	0.00	3.06
12.10	82.97	0.00	82.97	14.70	3.02	0.00	3.02
12.15	48.57	0.00	48.57	14.75	2.93	0.00	2.93
12.20	32.36	0.00	32.36	14.80	2.90	0.00	2.90
12.25	25.84	0.00	25.84	14.85	2.80	0.00	2.80
12.30	23.32	0.00	23.32	14.90	2.76	0.00	2.76
12.35	19.14	0.00	19.14	14.95	2.67	0.00	2.67
12.40	17.39	0.00	17.39	15.00	2.63	0.00	2.63
12.45	16.82	0.00	16.82	15.05	2.54	0.00	2.54
12.50	16.52	0.00	16.52	15.10	2.51	0.00	2.51
12.55	12.65	0.00	12.65	15.15	2.48	0.00	2.48
12.60	10.95	0.00	10.95	15.20	2.46	0.00	2.46
12.65	10.43	0.00	10.43	15.25	2.44	0.00	2.44
12.70	10.24	0.00	10.24	15.30	2.43	0.00	2.43
12.75	9.66	0.00	9.66	15.35	2.41	0.00	2.41
12.80	9.40	0.00	9.40	15.40	2.41	0.00	2.41
12.85	8.81	0.00	8.81	15.45	2.38	0.00	2.38
12.90	8.54	0.00	8.54	15.50	2.36	0.00	2.36
12.95	7.94	0.00	7.94	15.55	2.35	0.00	2.35

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.34	0.00	2.34	18.20	1.46	0.00	1.46
15.65	2.31	0.00	2.31	18.25	1.46	0.00	1.46
15.70	2.30	0.00	2.30	18.30	1.45	0.00	1.45
15.75	2.27	0.00	2.27	18.35	1.45	0.00	1.45
15.80	2.26	0.00	2.26	18.40	1.45	0.00	1.45
15.85	2.25	0.00	2.25	18.45	1.44	0.00	1.44
15.90	2.24	0.00	2.24	18.50	1.44	0.00	1.44
15.95	2.21	0.00	2.21	18.55	1.43	0.00	1.43
16.00	2.20	0.00	2.20	18.60	1.43	0.00	1.43
16.05	2.18	0.00	2.18	18.65	1.42	0.00	1.42
16.10	2.17	0.00	2.17	18.70	1.42	0.00	1.42
16.15	2.15	0.00	2.15	18.75	1.41	0.00	1.41
16.20	2.14	0.00	2.14	18.80	1.41	0.00	1.41
16.25	2.11	0.00	2.11	18.85	1.41	0.00	1.41
16.30	2.09	0.00	2.09	18.90	1.40	0.00	1.40
16.35	2.08	0.00	2.08	18.95	1.40	0.00	1.40
16.40	2.07	0.00	2.07	19.00	1.40	0.00	1.40
16.45	2.04	0.00	2.04	19.05	1.39	0.00	1.39
16.50	2.02	0.00	2.02	19.10	1.39	0.00	1.39
16.55	2.01	0.00	2.01	19.15	1.38	0.00	1.38
16.60	2.00	0.00	2.00	19.20	1.38	0.00	1.38
16.65	1.98	0.00	1.98	19.25	1.37	0.00	1.37
16.70	1.96	0.00	1.96	19.30	1.37	0.00	1.37
16.75	1.93	0.00	1.93	19.35	1.36	0.00	1.36
16.80	1.92	0.00	1.92	19.40	1.36	0.00	1.36
16.85	1.90	0.00	1.90	19.45	1.36	0.00	1.36
16.90	1.89	0.00	1.89	19.50	1.35	0.00	1.35
16.95	1.87	0.00	1.87	19.55	1.35	0.00	1.35
17.00	1.86	0.00	1.86	19.60	1.34	0.00	1.34
17.05	1.84	0.00	1.84	19.65	1.34	0.00	1.34
17.10	1.82	0.00	1.82	19.70	1.34	0.00	1.34
17.15	1.80	0.00	1.80	19.75	1.34	0.00	1.34
17.20	1.79	0.00	1.79	19.80	1.34	0.00	1.34
17.25	1.76	0.00	1.76	19.85	1.32	0.00	1.32
17.30	1.75	0.00	1.75	19.90	1.32	0.00	1.32
17.35	1.73	0.00	1.73	19.95	1.31	0.00	1.31
17.40	1.72	0.00	1.72	20.00	1.31	0.00	1.31
17.45	1.70	0.00	1.70	20.05	1.30	0.00	1.30
17.50	1.68	0.00	1.68	20.10	1.30	0.00	1.30
17.55	1.66	0.00	1.66	20.15	1.29	0.00	1.29
17.60	1.65	0.00	1.65	20.20	1.29	0.00	1.29
17.65	1.62	0.00	1.62	20.25	1.29	0.00	1.29
17.70	1.61	0.00	1.61	20.30	1.28	0.00	1.28
17.75	1.59	0.00	1.59	20.35	1.28	0.00	1.28
17.80	1.58	0.00	1.58	20.40	1.27	0.00	1.27
17.85	1.55	0.00	1.55	20.45	1.27	0.00	1.27
17.90	1.54	0.00	1.54	20.50	1.27	0.00	1.27
17.95	1.52	0.00	1.52	20.55	1.27	0.00	1.27
18.00	1.51	0.00	1.51	20.60	1.27	0.00	1.27
18.05	1.48	0.00	1.48	20.65	1.25	0.00	1.25
18.10	1.47	0.00	1.47	20.70	1.25	0.00	1.25
18.15	1.47	0.00	1.47	20.75	1.24	0.00	1.24

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.24	0.00	1.24	23.40	1.02	0.00	1.02
20.85	1.23	0.00	1.23	23.45	1.01	0.00	1.01
20.90	1.23	0.00	1.23	23.50	1.00	0.00	1.00
20.95	1.23	0.00	1.23	23.55	0.99	0.00	0.99
21.00	1.22	0.00	1.22	23.60	0.99	0.00	0.99
21.05	1.22	0.00	1.22	23.65	0.99	0.00	0.99
21.10	1.21	0.00	1.21	23.70	0.99	0.00	0.99
21.15	1.21	0.00	1.21	23.75	0.98	0.00	0.98
21.20	1.21	0.00	1.21	23.80	0.97	0.00	0.97
21.25	1.21	0.00	1.21	23.85	0.97	0.00	0.97
21.30	1.20	0.00	1.20	23.90	0.97	0.00	0.97
21.35	1.19	0.00	1.19	23.95	1.12	0.00	1.12
21.40	1.19	0.00	1.19	24.00	1.16	0.00	1.16
21.45	1.18	0.00	1.18	24.05	0.37	0.00	0.37
21.50	1.18	0.00	1.18	24.10	0.02	0.00	0.02
21.55	1.17	0.00	1.17	24.15	0.00	0.00	0.00
21.60	1.17	0.00	1.17	24.20	0.00	0.00	0.00
21.65	1.16	0.00	1.16	24.25	0.00	0.00	0.00
21.70	1.16	0.00	1.16	24.30	0.00	0.00	0.00
21.75	1.16	0.00	1.16	24.35	0.00	0.00	0.00
21.80	1.16	0.00	1.16	24.40	0.00	0.00	0.00
21.85	1.15	0.00	1.15	24.45	0.00	0.00	0.00
21.90	1.14	0.00	1.14	24.50	0.00	0.00	0.00
21.95	1.14	0.00	1.14	24.55	0.00	0.00	0.00
22.00	1.13	0.00	1.13	24.60	0.00	0.00	0.00
22.05	1.13	0.00	1.13	24.65	0.00	0.00	0.00
22.10	1.13	0.00	1.13	24.70	0.00	0.00	0.00
22.15	1.13	0.00	1.13	24.75	0.00	0.00	0.00
22.20	1.13	0.00	1.13	24.80	0.00	0.00	0.00
22.25	1.11	0.00	1.11	24.85	0.00	0.00	0.00
22.30	1.11	0.00	1.11	24.90	0.00	0.00	0.00
22.35	1.10	0.00	1.10	24.95	0.00	0.00	0.00
22.40	1.10	0.00	1.10	25.00	0.00	0.00	0.00
22.45	1.09	0.00	1.09	25.05	0.00	0.00	0.00
22.50	1.09	0.00	1.09	25.10	0.00	0.00	0.00
22.55	1.09	0.00	1.09	25.15	0.00	0.00	0.00
22.60	1.09	0.00	1.09	25.20	0.00	0.00	0.00
22.65	1.08	0.00	1.08	25.25	0.00	0.00	0.00
22.70	1.07	0.00	1.07	25.30	0.00	0.00	0.00
22.75	1.07	0.00	1.07	25.35	0.00	0.00	0.00
22.80	1.06	0.00	1.06	25.40	0.00	0.00	0.00
22.85	1.06	0.00	1.06	25.45	0.00	0.00	0.00
22.90	1.05	0.00	1.05	25.50	0.00	0.00	0.00
22.95	1.05	0.00	1.05	25.55	0.00	0.00	0.00
23.00	1.05	0.00	1.05	25.60	0.00	0.00	0.00
23.05	1.04	0.00	1.04	25.65	0.00	0.00	0.00
23.10	1.04	0.00	1.04	25.70	0.00	0.00	0.00
23.15	1.03	0.00	1.03	25.75	0.00	0.00	0.00
23.20	1.03	0.00	1.03	25.80	0.00	0.00	0.00
23.25	1.02	0.00	1.02	25.85	0.00	0.00	0.00
23.30	1.02	0.00	1.02	25.90	0.00	0.00	0.00
23.35	1.02	0.00	1.02	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

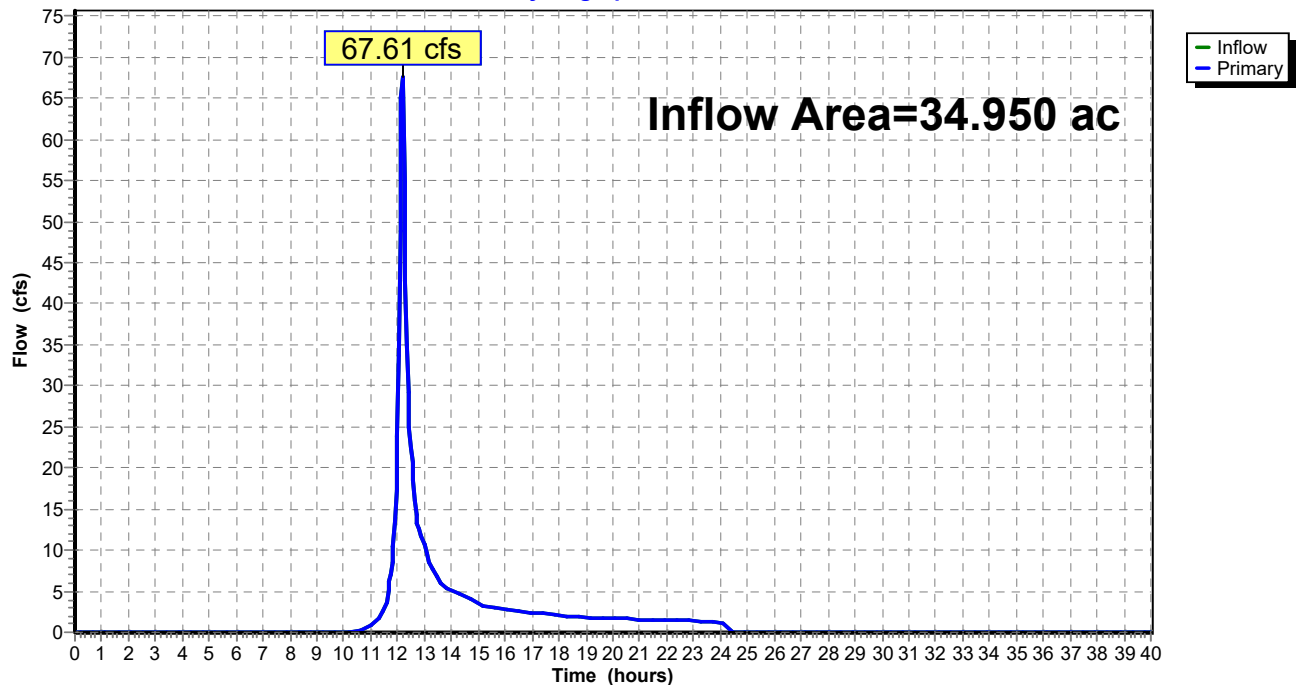
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 1.78" for Current 10 yr event
 Inflow = 67.61 cfs @ 12.18 hrs, Volume= 5.192 af
 Primary = 67.61 cfs @ 12.18 hrs, Volume= 5.192 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.02	0.00	0.02	13.00	10.37	0.00	10.37
10.45	0.04	0.00	0.04	13.05	9.87	0.00	9.87
10.50	0.07	0.00	0.07	13.10	9.35	0.00	9.35
10.55	0.11	0.00	0.11	13.15	8.85	0.00	8.85
10.60	0.15	0.00	0.15	13.20	8.43	0.00	8.43
10.65	0.20	0.00	0.20	13.25	8.09	0.00	8.09
10.70	0.26	0.00	0.26	13.30	7.77	0.00	7.77
10.75	0.33	0.00	0.33	13.35	7.48	0.00	7.48
10.80	0.40	0.00	0.40	13.40	7.19	0.00	7.19
10.85	0.48	0.00	0.48	13.45	6.90	0.00	6.90
10.90	0.56	0.00	0.56	13.50	6.61	0.00	6.61
10.95	0.66	0.00	0.66	13.55	6.33	0.00	6.33
11.00	0.76	0.00	0.76	13.60	6.04	0.00	6.04
11.05	0.88	0.00	0.88	13.65	5.76	0.00	5.76
11.10	1.01	0.00	1.01	13.70	5.56	0.00	5.56
11.15	1.17	0.00	1.17	13.75	5.42	0.00	5.42
11.20	1.35	0.00	1.35	13.80	5.32	0.00	5.32
11.25	1.55	0.00	1.55	13.85	5.23	0.00	5.23
11.30	1.77	0.00	1.77	13.90	5.16	0.00	5.16
11.35	2.01	0.00	2.01	13.95	5.09	0.00	5.09
11.40	2.28	0.00	2.28	14.00	5.01	0.00	5.01
11.45	2.57	0.00	2.57	14.05	4.94	0.00	4.94
11.50	2.89	0.00	2.89	14.10	4.86	0.00	4.86
11.55	3.27	0.00	3.27	14.15	4.79	0.00	4.79
11.60	4.04	0.00	4.04	14.20	4.71	0.00	4.71
11.65	5.11	0.00	5.11	14.25	4.65	0.00	4.65
11.70	6.12	0.00	6.12	14.30	4.57	0.00	4.57
11.75	7.09	0.00	7.09	14.35	4.49	0.00	4.49
11.80	8.53	0.00	8.53	14.40	4.41	0.00	4.41
11.85	10.54	0.00	10.54	14.45	4.34	0.00	4.34
11.90	13.36	0.00	13.36	14.50	4.26	0.00	4.26
11.95	17.29	0.00	17.29	14.55	4.19	0.00	4.19
12.00	23.91	0.00	23.91	14.60	4.11	0.00	4.11
12.05	33.67	0.00	33.67	14.65	4.03	0.00	4.03
12.10	48.78	0.00	48.78	14.70	3.95	0.00	3.95
12.15	65.01	0.00	65.01	14.75	3.87	0.00	3.87
12.20	66.64	0.00	66.64	14.80	3.80	0.00	3.80
12.25	54.76	0.00	54.76	14.85	3.72	0.00	3.72
12.30	42.87	0.00	42.87	14.90	3.64	0.00	3.64
12.35	34.97	0.00	34.97	14.95	3.56	0.00	3.56
12.40	29.27	0.00	29.27	15.00	3.48	0.00	3.48
12.45	25.04	0.00	25.04	15.05	3.39	0.00	3.39
12.50	22.40	0.00	22.40	15.10	3.32	0.00	3.32
12.55	20.80	0.00	20.80	15.15	3.24	0.00	3.24
12.60	18.66	0.00	18.66	15.20	3.19	0.00	3.19
12.65	16.10	0.00	16.10	15.25	3.15	0.00	3.15
12.70	14.28	0.00	14.28	15.30	3.12	0.00	3.12
12.75	13.25	0.00	13.25	15.35	3.10	0.00	3.10
12.80	12.53	0.00	12.53	15.40	3.08	0.00	3.08
12.85	11.94	0.00	11.94	15.45	3.06	0.00	3.06
12.90	11.40	0.00	11.40	15.50	3.04	0.00	3.04
12.95	10.89	0.00	10.89	15.55	3.02	0.00	3.02

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.00	0.00	3.00	18.20	1.90	0.00	1.90
15.65	2.98	0.00	2.98	18.25	1.89	0.00	1.89
15.70	2.96	0.00	2.96	18.30	1.88	0.00	1.88
15.75	2.94	0.00	2.94	18.35	1.88	0.00	1.88
15.80	2.91	0.00	2.91	18.40	1.87	0.00	1.87
15.85	2.89	0.00	2.89	18.45	1.87	0.00	1.87
15.90	2.87	0.00	2.87	18.50	1.86	0.00	1.86
15.95	2.86	0.00	2.86	18.55	1.86	0.00	1.86
16.00	2.84	0.00	2.84	18.60	1.85	0.00	1.85
16.05	2.81	0.00	2.81	18.65	1.85	0.00	1.85
16.10	2.79	0.00	2.79	18.70	1.84	0.00	1.84
16.15	2.78	0.00	2.78	18.75	1.84	0.00	1.84
16.20	2.76	0.00	2.76	18.80	1.83	0.00	1.83
16.25	2.74	0.00	2.74	18.85	1.83	0.00	1.83
16.30	2.71	0.00	2.71	18.90	1.82	0.00	1.82
16.35	2.69	0.00	2.69	18.95	1.81	0.00	1.81
16.40	2.67	0.00	2.67	19.00	1.81	0.00	1.81
16.45	2.65	0.00	2.65	19.05	1.80	0.00	1.80
16.50	2.63	0.00	2.63	19.10	1.80	0.00	1.80
16.55	2.61	0.00	2.61	19.15	1.79	0.00	1.79
16.60	2.58	0.00	2.58	19.20	1.79	0.00	1.79
16.65	2.57	0.00	2.57	19.25	1.78	0.00	1.78
16.70	2.55	0.00	2.55	19.30	1.78	0.00	1.78
16.75	2.53	0.00	2.53	19.35	1.77	0.00	1.77
16.80	2.50	0.00	2.50	19.40	1.77	0.00	1.77
16.85	2.48	0.00	2.48	19.45	1.76	0.00	1.76
16.90	2.46	0.00	2.46	19.50	1.76	0.00	1.76
16.95	2.44	0.00	2.44	19.55	1.75	0.00	1.75
17.00	2.42	0.00	2.42	19.60	1.75	0.00	1.75
17.05	2.40	0.00	2.40	19.65	1.74	0.00	1.74
17.10	2.38	0.00	2.38	19.70	1.74	0.00	1.74
17.15	2.36	0.00	2.36	19.75	1.73	0.00	1.73
17.20	2.33	0.00	2.33	19.80	1.73	0.00	1.73
17.25	2.31	0.00	2.31	19.85	1.73	0.00	1.73
17.30	2.29	0.00	2.29	19.90	1.72	0.00	1.72
17.35	2.26	0.00	2.26	19.95	1.72	0.00	1.72
17.40	2.24	0.00	2.24	20.00	1.71	0.00	1.71
17.45	2.22	0.00	2.22	20.05	1.70	0.00	1.70
17.50	2.20	0.00	2.20	20.10	1.70	0.00	1.70
17.55	2.18	0.00	2.18	20.15	1.69	0.00	1.69
17.60	2.16	0.00	2.16	20.20	1.68	0.00	1.68
17.65	2.14	0.00	2.14	20.25	1.68	0.00	1.68
17.70	2.11	0.00	2.11	20.30	1.67	0.00	1.67
17.75	2.09	0.00	2.09	20.35	1.67	0.00	1.67
17.80	2.07	0.00	2.07	20.40	1.66	0.00	1.66
17.85	2.05	0.00	2.05	20.45	1.66	0.00	1.66
17.90	2.03	0.00	2.03	20.50	1.65	0.00	1.65
17.95	2.00	0.00	2.00	20.55	1.65	0.00	1.65
18.00	1.98	0.00	1.98	20.60	1.64	0.00	1.64
18.05	1.96	0.00	1.96	20.65	1.64	0.00	1.64
18.10	1.94	0.00	1.94	20.70	1.64	0.00	1.64
18.15	1.91	0.00	1.91	20.75	1.63	0.00	1.63

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.62	0.00	1.62	23.40	1.33	0.00	1.33
20.85	1.62	0.00	1.62	23.45	1.33	0.00	1.33
20.90	1.61	0.00	1.61	23.50	1.33	0.00	1.33
20.95	1.60	0.00	1.60	23.55	1.32	0.00	1.32
21.00	1.60	0.00	1.60	23.60	1.31	0.00	1.31
21.05	1.59	0.00	1.59	23.65	1.30	0.00	1.30
21.10	1.59	0.00	1.59	23.70	1.30	0.00	1.30
21.15	1.58	0.00	1.58	23.75	1.30	0.00	1.30
21.20	1.58	0.00	1.58	23.80	1.29	0.00	1.29
21.25	1.57	0.00	1.57	23.85	1.28	0.00	1.28
21.30	1.57	0.00	1.57	23.90	1.28	0.00	1.28
21.35	1.57	0.00	1.57	23.95	1.28	0.00	1.28
21.40	1.56	0.00	1.56	24.00	1.34	0.00	1.34
21.45	1.55	0.00	1.55	24.05	1.38	0.00	1.38
21.50	1.55	0.00	1.55	24.10	1.12	0.00	1.12
21.55	1.54	0.00	1.54	24.15	0.65	0.00	0.65
21.60	1.53	0.00	1.53	24.20	0.31	0.00	0.31
21.65	1.53	0.00	1.53	24.25	0.14	0.00	0.14
21.70	1.52	0.00	1.52	24.30	0.07	0.00	0.07
21.75	1.52	0.00	1.52	24.35	0.03	0.00	0.03
21.80	1.51	0.00	1.51	24.40	0.01	0.00	0.01
21.85	1.51	0.00	1.51	24.45	0.01	0.00	0.01
21.90	1.51	0.00	1.51	24.50	0.00	0.00	0.00
21.95	1.50	0.00	1.50	24.55	0.00	0.00	0.00
22.00	1.49	0.00	1.49	24.60	0.00	0.00	0.00
22.05	1.48	0.00	1.48	24.65	0.00	0.00	0.00
22.10	1.48	0.00	1.48	24.70	0.00	0.00	0.00
22.15	1.47	0.00	1.47	24.75	0.00	0.00	0.00
22.20	1.47	0.00	1.47	24.80	0.00	0.00	0.00
22.25	1.47	0.00	1.47	24.85	0.00	0.00	0.00
22.30	1.46	0.00	1.46	24.90	0.00	0.00	0.00
22.35	1.45	0.00	1.45	24.95	0.00	0.00	0.00
22.40	1.45	0.00	1.45	25.00	0.00	0.00	0.00
22.45	1.44	0.00	1.44	25.05	0.00	0.00	0.00
22.50	1.43	0.00	1.43	25.10	0.00	0.00	0.00
22.55	1.43	0.00	1.43	25.15	0.00	0.00	0.00
22.60	1.42	0.00	1.42	25.20	0.00	0.00	0.00
22.65	1.42	0.00	1.42	25.25	0.00	0.00	0.00
22.70	1.42	0.00	1.42	25.30	0.00	0.00	0.00
22.75	1.41	0.00	1.41	25.35	0.00	0.00	0.00
22.80	1.40	0.00	1.40	25.40	0.00	0.00	0.00
22.85	1.39	0.00	1.39	25.45	0.00	0.00	0.00
22.90	1.39	0.00	1.39	25.50	0.00	0.00	0.00
22.95	1.38	0.00	1.38	25.55	0.00	0.00	0.00
23.00	1.38	0.00	1.38	25.60	0.00	0.00	0.00
23.05	1.38	0.00	1.38	25.65	0.00	0.00	0.00
23.10	1.37	0.00	1.37	25.70	0.00	0.00	0.00
23.15	1.36	0.00	1.36	25.75	0.00	0.00	0.00
23.20	1.36	0.00	1.36	25.80	0.00	0.00	0.00
23.25	1.35	0.00	1.35	25.85	0.00	0.00	0.00
23.30	1.34	0.00	1.34	25.90	0.00	0.00	0.00
23.35	1.34	0.00	1.34	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

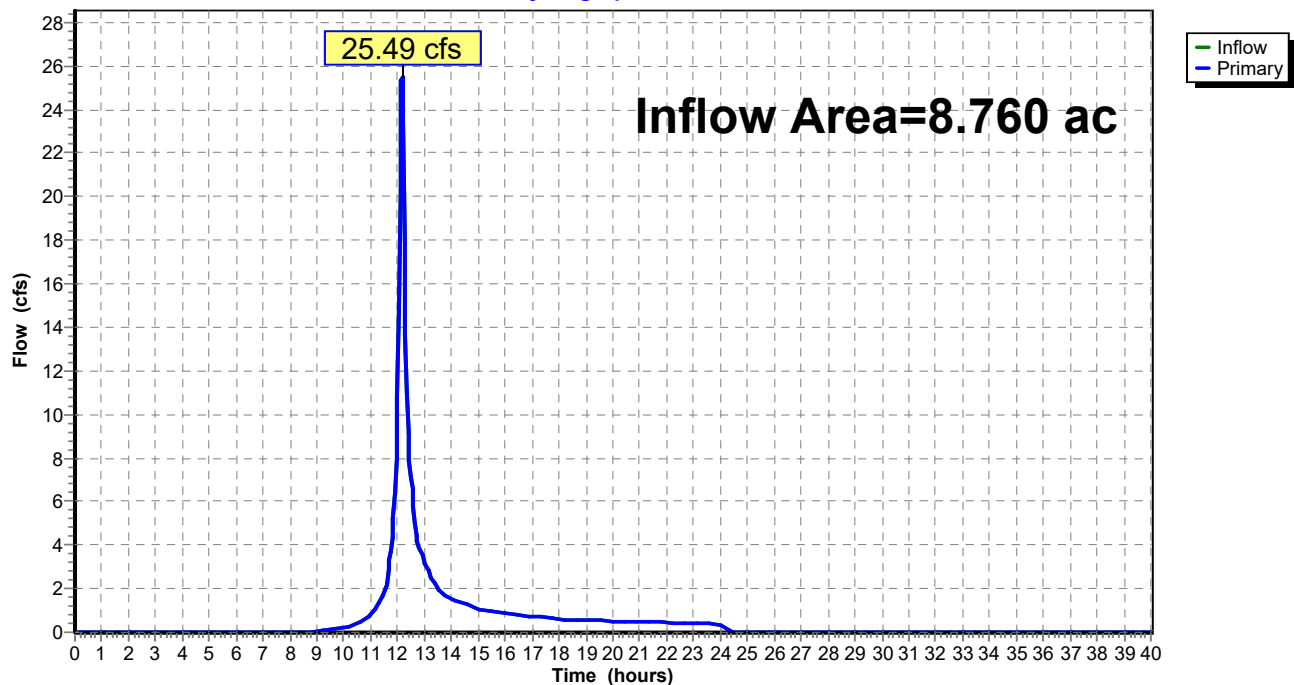
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 2.51" for Current 10 yr event
Inflow = 25.49 cfs @ 12.16 hrs, Volume= 1.829 af
Primary = 25.49 cfs @ 12.16 hrs, Volume= 1.829 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.01	0.00	0.01
6.10	0.00	0.00	0.00	8.70	0.01	0.00	0.01
6.15	0.00	0.00	0.00	8.75	0.01	0.00	0.01
6.20	0.00	0.00	0.00	8.80	0.02	0.00	0.02
6.25	0.00	0.00	0.00	8.85	0.02	0.00	0.02
6.30	0.00	0.00	0.00	8.90	0.03	0.00	0.03
6.35	0.00	0.00	0.00	8.95	0.03	0.00	0.03
6.40	0.00	0.00	0.00	9.00	0.04	0.00	0.04
6.45	0.00	0.00	0.00	9.05	0.05	0.00	0.05
6.50	0.00	0.00	0.00	9.10	0.05	0.00	0.05
6.55	0.00	0.00	0.00	9.15	0.06	0.00	0.06
6.60	0.00	0.00	0.00	9.20	0.06	0.00	0.06
6.65	0.00	0.00	0.00	9.25	0.07	0.00	0.07
6.70	0.00	0.00	0.00	9.30	0.08	0.00	0.08
6.75	0.00	0.00	0.00	9.35	0.09	0.00	0.09
6.80	0.00	0.00	0.00	9.40	0.10	0.00	0.10
6.85	0.00	0.00	0.00	9.45	0.11	0.00	0.11
6.90	0.00	0.00	0.00	9.50	0.11	0.00	0.11
6.95	0.00	0.00	0.00	9.55	0.12	0.00	0.12
7.00	0.00	0.00	0.00	9.60	0.14	0.00	0.14
7.05	0.00	0.00	0.00	9.65	0.15	0.00	0.15
7.10	0.00	0.00	0.00	9.70	0.16	0.00	0.16
7.15	0.00	0.00	0.00	9.75	0.17	0.00	0.17
7.20	0.00	0.00	0.00	9.80	0.18	0.00	0.18
7.25	0.00	0.00	0.00	9.85	0.19	0.00	0.19
7.30	0.00	0.00	0.00	9.90	0.21	0.00	0.21
7.35	0.00	0.00	0.00	9.95	0.22	0.00	0.22
7.40	0.00	0.00	0.00	10.00	0.23	0.00	0.23
7.45	0.00	0.00	0.00	10.05	0.25	0.00	0.25
7.50	0.00	0.00	0.00	10.10	0.26	0.00	0.26
7.55	0.00	0.00	0.00	10.15	0.28	0.00	0.28
7.60	0.00	0.00	0.00	10.20	0.29	0.00	0.29
7.65	0.00	0.00	0.00	10.25	0.31	0.00	0.31
7.70	0.00	0.00	0.00	10.30	0.32	0.00	0.32
7.75	0.00	0.00	0.00	10.35	0.34	0.00	0.34

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.36	0.00	0.36	13.00	3.26	0.00	3.26
10.45	0.38	0.00	0.38	13.05	3.09	0.00	3.09
10.50	0.39	0.00	0.39	13.10	2.92	0.00	2.92
10.55	0.41	0.00	0.41	13.15	2.76	0.00	2.76
10.60	0.44	0.00	0.44	13.20	2.63	0.00	2.63
10.65	0.48	0.00	0.48	13.25	2.53	0.00	2.53
10.70	0.52	0.00	0.52	13.30	2.43	0.00	2.43
10.75	0.56	0.00	0.56	13.35	2.33	0.00	2.33
10.80	0.60	0.00	0.60	13.40	2.24	0.00	2.24
10.85	0.65	0.00	0.65	13.45	2.15	0.00	2.15
10.90	0.70	0.00	0.70	13.50	2.05	0.00	2.05
10.95	0.75	0.00	0.75	13.55	1.96	0.00	1.96
11.00	0.81	0.00	0.81	13.60	1.87	0.00	1.87
11.05	0.87	0.00	0.87	13.65	1.78	0.00	1.78
11.10	0.95	0.00	0.95	13.70	1.72	0.00	1.72
11.15	1.03	0.00	1.03	13.75	1.68	0.00	1.68
11.20	1.13	0.00	1.13	13.80	1.65	0.00	1.65
11.25	1.23	0.00	1.23	13.85	1.63	0.00	1.63
11.30	1.34	0.00	1.34	13.90	1.60	0.00	1.60
11.35	1.46	0.00	1.46	13.95	1.58	0.00	1.58
11.40	1.58	0.00	1.58	14.00	1.56	0.00	1.56
11.45	1.71	0.00	1.71	14.05	1.53	0.00	1.53
11.50	1.83	0.00	1.83	14.10	1.51	0.00	1.51
11.55	2.00	0.00	2.00	14.15	1.48	0.00	1.48
11.60	2.42	0.00	2.42	14.20	1.46	0.00	1.46
11.65	2.93	0.00	2.93	14.25	1.44	0.00	1.44
11.70	3.33	0.00	3.33	14.30	1.41	0.00	1.41
11.75	3.71	0.00	3.71	14.35	1.39	0.00	1.39
11.80	4.34	0.00	4.34	14.40	1.36	0.00	1.36
11.85	5.19	0.00	5.19	14.45	1.34	0.00	1.34
11.90	6.37	0.00	6.37	14.50	1.31	0.00	1.31
11.95	7.97	0.00	7.97	14.55	1.29	0.00	1.29
12.00	10.74	0.00	10.74	14.60	1.27	0.00	1.27
12.05	14.57	0.00	14.57	14.65	1.24	0.00	1.24
12.10	20.24	0.00	20.24	14.70	1.21	0.00	1.21
12.15	25.30	0.00	25.30	14.75	1.19	0.00	1.19
12.20	23.48	0.00	23.48	14.80	1.17	0.00	1.17
12.25	17.87	0.00	17.87	14.85	1.14	0.00	1.14
12.30	13.67	0.00	13.67	14.90	1.12	0.00	1.12
12.35	11.05	0.00	11.05	14.95	1.09	0.00	1.09
12.40	9.19	0.00	9.19	15.00	1.06	0.00	1.06
12.45	7.85	0.00	7.85	15.05	1.04	0.00	1.04
12.50	7.09	0.00	7.09	15.10	1.01	0.00	1.01
12.55	6.60	0.00	6.60	15.15	0.99	0.00	0.99
12.60	5.83	0.00	5.83	15.20	0.98	0.00	0.98
12.65	4.99	0.00	4.99	15.25	0.97	0.00	0.97
12.70	4.46	0.00	4.46	15.30	0.96	0.00	0.96
12.75	4.17	0.00	4.17	15.35	0.95	0.00	0.95
12.80	3.95	0.00	3.95	15.40	0.94	0.00	0.94
12.85	3.77	0.00	3.77	15.45	0.94	0.00	0.94
12.90	3.59	0.00	3.59	15.50	0.93	0.00	0.93
12.95	3.43	0.00	3.43	15.55	0.92	0.00	0.92

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.92	0.00	0.92	18.20	0.57	0.00	0.57
15.65	0.91	0.00	0.91	18.25	0.57	0.00	0.57
15.70	0.91	0.00	0.91	18.30	0.57	0.00	0.57
15.75	0.90	0.00	0.90	18.35	0.57	0.00	0.57
15.80	0.89	0.00	0.89	18.40	0.57	0.00	0.57
15.85	0.88	0.00	0.88	18.45	0.56	0.00	0.56
15.90	0.88	0.00	0.88	18.50	0.56	0.00	0.56
15.95	0.87	0.00	0.87	18.55	0.56	0.00	0.56
16.00	0.87	0.00	0.87	18.60	0.56	0.00	0.56
16.05	0.86	0.00	0.86	18.65	0.56	0.00	0.56
16.10	0.85	0.00	0.85	18.70	0.56	0.00	0.56
16.15	0.85	0.00	0.85	18.75	0.55	0.00	0.55
16.20	0.84	0.00	0.84	18.80	0.55	0.00	0.55
16.25	0.83	0.00	0.83	18.85	0.55	0.00	0.55
16.30	0.83	0.00	0.83	18.90	0.55	0.00	0.55
16.35	0.82	0.00	0.82	18.95	0.55	0.00	0.55
16.40	0.81	0.00	0.81	19.00	0.55	0.00	0.55
16.45	0.81	0.00	0.81	19.05	0.54	0.00	0.54
16.50	0.80	0.00	0.80	19.10	0.54	0.00	0.54
16.55	0.79	0.00	0.79	19.15	0.54	0.00	0.54
16.60	0.79	0.00	0.79	19.20	0.54	0.00	0.54
16.65	0.78	0.00	0.78	19.25	0.54	0.00	0.54
16.70	0.77	0.00	0.77	19.30	0.54	0.00	0.54
16.75	0.77	0.00	0.77	19.35	0.53	0.00	0.53
16.80	0.76	0.00	0.76	19.40	0.53	0.00	0.53
16.85	0.75	0.00	0.75	19.45	0.53	0.00	0.53
16.90	0.75	0.00	0.75	19.50	0.53	0.00	0.53
16.95	0.74	0.00	0.74	19.55	0.53	0.00	0.53
17.00	0.73	0.00	0.73	19.60	0.53	0.00	0.53
17.05	0.73	0.00	0.73	19.65	0.52	0.00	0.52
17.10	0.72	0.00	0.72	19.70	0.52	0.00	0.52
17.15	0.71	0.00	0.71	19.75	0.52	0.00	0.52
17.20	0.71	0.00	0.71	19.80	0.52	0.00	0.52
17.25	0.70	0.00	0.70	19.85	0.52	0.00	0.52
17.30	0.69	0.00	0.69	19.90	0.52	0.00	0.52
17.35	0.69	0.00	0.69	19.95	0.52	0.00	0.52
17.40	0.68	0.00	0.68	20.00	0.51	0.00	0.51
17.45	0.67	0.00	0.67	20.05	0.51	0.00	0.51
17.50	0.67	0.00	0.67	20.10	0.51	0.00	0.51
17.55	0.66	0.00	0.66	20.15	0.51	0.00	0.51
17.60	0.65	0.00	0.65	20.20	0.51	0.00	0.51
17.65	0.65	0.00	0.65	20.25	0.50	0.00	0.50
17.70	0.64	0.00	0.64	20.30	0.50	0.00	0.50
17.75	0.63	0.00	0.63	20.35	0.50	0.00	0.50
17.80	0.63	0.00	0.63	20.40	0.50	0.00	0.50
17.85	0.62	0.00	0.62	20.45	0.50	0.00	0.50
17.90	0.61	0.00	0.61	20.50	0.50	0.00	0.50
17.95	0.60	0.00	0.60	20.55	0.49	0.00	0.49
18.00	0.60	0.00	0.60	20.60	0.49	0.00	0.49
18.05	0.59	0.00	0.59	20.65	0.49	0.00	0.49
18.10	0.58	0.00	0.58	20.70	0.49	0.00	0.49
18.15	0.58	0.00	0.58	20.75	0.49	0.00	0.49

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.49	0.00	0.49	23.40	0.40	0.00	0.40
20.85	0.48	0.00	0.48	23.45	0.40	0.00	0.40
20.90	0.48	0.00	0.48	23.50	0.39	0.00	0.39
20.95	0.48	0.00	0.48	23.55	0.39	0.00	0.39
21.00	0.48	0.00	0.48	23.60	0.39	0.00	0.39
21.05	0.48	0.00	0.48	23.65	0.39	0.00	0.39
21.10	0.48	0.00	0.48	23.70	0.39	0.00	0.39
21.15	0.47	0.00	0.47	23.75	0.39	0.00	0.39
21.20	0.47	0.00	0.47	23.80	0.38	0.00	0.38
21.25	0.47	0.00	0.47	23.85	0.38	0.00	0.38
21.30	0.47	0.00	0.47	23.90	0.38	0.00	0.38
21.35	0.47	0.00	0.47	23.95	0.38	0.00	0.38
21.40	0.47	0.00	0.47	24.00	0.41	0.00	0.41
21.45	0.46	0.00	0.46	24.05	0.41	0.00	0.41
21.50	0.46	0.00	0.46	24.10	0.30	0.00	0.30
21.55	0.46	0.00	0.46	24.15	0.15	0.00	0.15
21.60	0.46	0.00	0.46	24.20	0.07	0.00	0.07
21.65	0.46	0.00	0.46	24.25	0.03	0.00	0.03
21.70	0.46	0.00	0.46	24.30	0.01	0.00	0.01
21.75	0.45	0.00	0.45	24.35	0.01	0.00	0.01
21.80	0.45	0.00	0.45	24.40	0.00	0.00	0.00
21.85	0.45	0.00	0.45	24.45	0.00	0.00	0.00
21.90	0.45	0.00	0.45	24.50	0.00	0.00	0.00
21.95	0.45	0.00	0.45	24.55	0.00	0.00	0.00
22.00	0.45	0.00	0.45	24.60	0.00	0.00	0.00
22.05	0.44	0.00	0.44	24.65	0.00	0.00	0.00
22.10	0.44	0.00	0.44	24.70	0.00	0.00	0.00
22.15	0.44	0.00	0.44	24.75	0.00	0.00	0.00
22.20	0.44	0.00	0.44	24.80	0.00	0.00	0.00
22.25	0.44	0.00	0.44	24.85	0.00	0.00	0.00
22.30	0.44	0.00	0.44	24.90	0.00	0.00	0.00
22.35	0.43	0.00	0.43	24.95	0.00	0.00	0.00
22.40	0.43	0.00	0.43	25.00	0.00	0.00	0.00
22.45	0.43	0.00	0.43	25.05	0.00	0.00	0.00
22.50	0.43	0.00	0.43	25.10	0.00	0.00	0.00
22.55	0.43	0.00	0.43	25.15	0.00	0.00	0.00
22.60	0.43	0.00	0.43	25.20	0.00	0.00	0.00
22.65	0.42	0.00	0.42	25.25	0.00	0.00	0.00
22.70	0.42	0.00	0.42	25.30	0.00	0.00	0.00
22.75	0.42	0.00	0.42	25.35	0.00	0.00	0.00
22.80	0.42	0.00	0.42	25.40	0.00	0.00	0.00
22.85	0.42	0.00	0.42	25.45	0.00	0.00	0.00
22.90	0.41	0.00	0.41	25.50	0.00	0.00	0.00
22.95	0.41	0.00	0.41	25.55	0.00	0.00	0.00
23.00	0.41	0.00	0.41	25.60	0.00	0.00	0.00
23.05	0.41	0.00	0.41	25.65	0.00	0.00	0.00
23.10	0.41	0.00	0.41	25.70	0.00	0.00	0.00
23.15	0.41	0.00	0.41	25.75	0.00	0.00	0.00
23.20	0.40	0.00	0.40	25.80	0.00	0.00	0.00
23.25	0.40	0.00	0.40	25.85	0.00	0.00	0.00
23.30	0.40	0.00	0.40	25.90	0.00	0.00	0.00
23.35	0.40	0.00	0.40	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

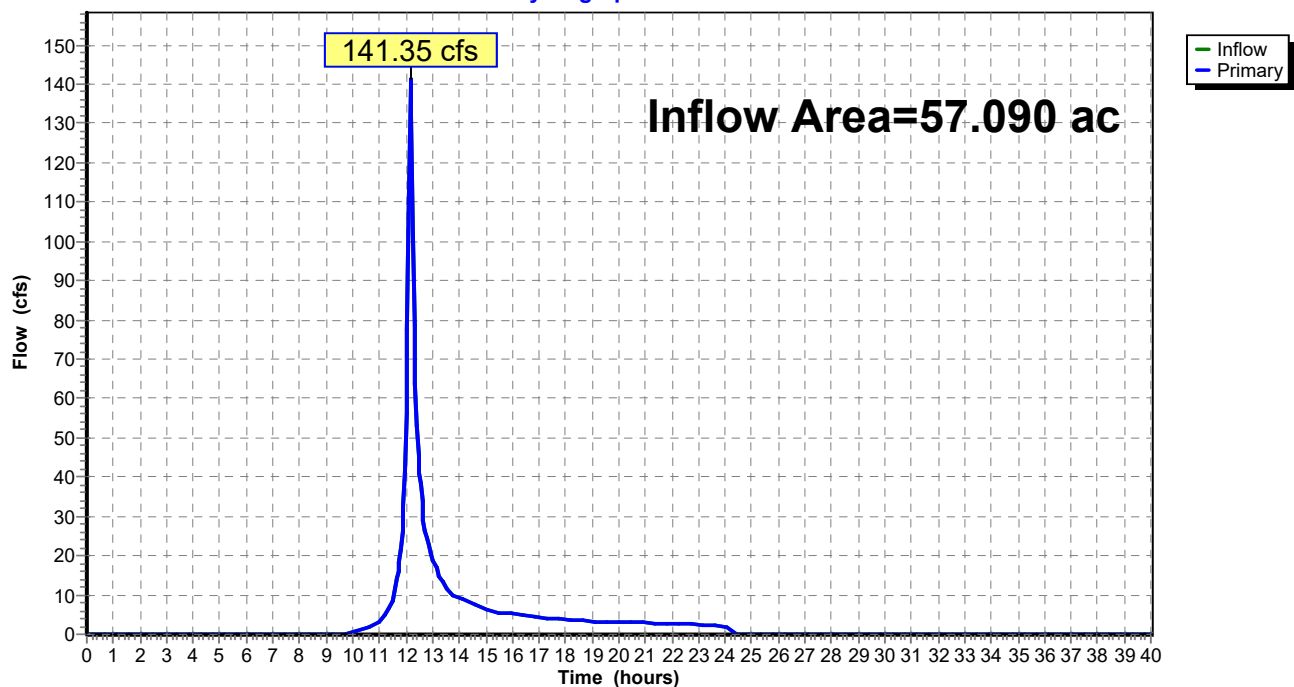
Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 2.16" for Current 10 yr event
Inflow = 141.35 cfs @ 12.16 hrs, Volume= 10.288 af
Primary = 141.35 cfs @ 12.16 hrs, Volume= 10.288 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.01	0.00	0.01	3.75	0.04	0.00	0.04
1.20	0.01	0.00	0.01	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.04	0.00	0.04
1.30	0.01	0.00	0.01	3.90	0.04	0.00	0.04
1.35	0.01	0.00	0.01	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.02	0.00	0.02	4.30	0.04	0.00	0.04
1.75	0.02	0.00	0.02	4.35	0.04	0.00	0.04
1.80	0.02	0.00	0.02	4.40	0.04	0.00	0.04
1.85	0.02	0.00	0.02	4.45	0.04	0.00	0.04
1.90	0.02	0.00	0.02	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.02	0.00	0.02	4.85	0.05	0.00	0.05
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.05	0.00	0.05
2.55	0.03	0.00	0.03	5.15	0.05	0.00	0.05

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.09	0.00	0.09
5.45	0.05	0.00	0.05	8.05	0.09	0.00	0.09
5.50	0.05	0.00	0.05	8.10	0.09	0.00	0.09
5.55	0.05	0.00	0.05	8.15	0.09	0.00	0.09
5.60	0.05	0.00	0.05	8.20	0.09	0.00	0.09
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.10	0.00	0.10
6.05	0.05	0.00	0.05	8.65	0.10	0.00	0.10
6.10	0.05	0.00	0.05	8.70	0.10	0.00	0.10
6.15	0.06	0.00	0.06	8.75	0.10	0.00	0.10
6.20	0.06	0.00	0.06	8.80	0.10	0.00	0.10
6.25	0.06	0.00	0.06	8.85	0.10	0.00	0.10
6.30	0.06	0.00	0.06	8.90	0.10	0.00	0.10
6.35	0.06	0.00	0.06	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.11	0.00	0.11
6.60	0.06	0.00	0.06	9.20	0.11	0.00	0.11
6.65	0.06	0.00	0.06	9.25	0.11	0.00	0.11
6.70	0.06	0.00	0.06	9.30	0.12	0.00	0.12
6.75	0.06	0.00	0.06	9.35	0.12	0.00	0.12
6.80	0.07	0.00	0.07	9.40	0.12	0.00	0.12
6.85	0.07	0.00	0.07	9.45	0.12	0.00	0.12
6.90	0.07	0.00	0.07	9.50	0.13	0.00	0.13
6.95	0.07	0.00	0.07	9.55	0.13	0.00	0.13
7.00	0.07	0.00	0.07	9.60	0.14	0.00	0.14
7.05	0.07	0.00	0.07	9.65	0.16	0.00	0.16
7.10	0.07	0.00	0.07	9.70	0.19	0.00	0.19
7.15	0.07	0.00	0.07	9.75	0.21	0.00	0.21
7.20	0.07	0.00	0.07	9.80	0.25	0.00	0.25
7.25	0.07	0.00	0.07	9.85	0.30	0.00	0.30
7.30	0.07	0.00	0.07	9.90	0.35	0.00	0.35
7.35	0.07	0.00	0.07	9.95	0.41	0.00	0.41
7.40	0.08	0.00	0.08	10.00	0.48	0.00	0.48
7.45	0.08	0.00	0.08	10.05	0.55	0.00	0.55
7.50	0.08	0.00	0.08	10.10	0.62	0.00	0.62
7.55	0.08	0.00	0.08	10.15	0.69	0.00	0.69
7.60	0.08	0.00	0.08	10.20	0.77	0.00	0.77
7.65	0.08	0.00	0.08	10.25	0.85	0.00	0.85
7.70	0.08	0.00	0.08	10.30	0.93	0.00	0.93
7.75	0.08	0.00	0.08	10.35	1.01	0.00	1.01

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.10	0.00	1.10	13.00	19.14	0.00	19.14
10.45	1.19	0.00	1.19	13.05	18.18	0.00	18.18
10.50	1.28	0.00	1.28	13.10	17.19	0.00	17.19
10.55	1.39	0.00	1.39	13.15	16.26	0.00	16.26
10.60	1.52	0.00	1.52	13.20	15.50	0.00	15.50
10.65	1.68	0.00	1.68	13.25	14.88	0.00	14.88
10.70	1.86	0.00	1.86	13.30	14.31	0.00	14.31
10.75	2.05	0.00	2.05	13.35	13.76	0.00	13.76
10.80	2.27	0.00	2.27	13.40	13.21	0.00	13.21
10.85	2.49	0.00	2.49	13.45	12.67	0.00	12.67
10.90	2.73	0.00	2.73	13.50	12.13	0.00	12.13
10.95	2.99	0.00	2.99	13.55	11.59	0.00	11.59
11.00	3.26	0.00	3.26	13.60	11.04	0.00	11.04
11.05	3.56	0.00	3.56	13.65	10.54	0.00	10.54
11.10	3.93	0.00	3.93	13.70	10.20	0.00	10.20
11.15	4.36	0.00	4.36	13.75	9.97	0.00	9.97
11.20	4.84	0.00	4.84	13.80	9.79	0.00	9.79
11.25	5.36	0.00	5.36	13.85	9.64	0.00	9.64
11.30	5.92	0.00	5.92	13.90	9.50	0.00	9.50
11.35	6.51	0.00	6.51	13.95	9.37	0.00	9.37
11.40	7.15	0.00	7.15	14.00	9.22	0.00	9.22
11.45	7.81	0.00	7.81	14.05	9.08	0.00	9.08
11.50	8.48	0.00	8.48	14.10	8.94	0.00	8.94
11.55	9.40	0.00	9.40	14.15	8.80	0.00	8.80
11.60	11.45	0.00	11.45	14.20	8.66	0.00	8.66
11.65	14.05	0.00	14.05	14.25	8.53	0.00	8.53
11.70	16.19	0.00	16.19	14.30	8.38	0.00	8.38
11.75	18.23	0.00	18.23	14.35	8.24	0.00	8.24
11.80	21.59	0.00	21.59	14.40	8.09	0.00	8.09
11.85	26.15	0.00	26.15	14.45	7.95	0.00	7.95
11.90	32.49	0.00	32.49	14.50	7.81	0.00	7.81
11.95	41.17	0.00	41.17	14.55	7.67	0.00	7.67
12.00	56.27	0.00	56.27	14.60	7.52	0.00	7.52
12.05	77.58	0.00	77.58	14.65	7.38	0.00	7.38
12.10	109.68	0.00	109.68	14.70	7.22	0.00	7.22
12.15	139.70	0.00	139.70	14.75	7.08	0.00	7.08
12.20	131.96	0.00	131.96	14.80	6.94	0.00	6.94
12.25	101.70	0.00	101.70	14.85	6.79	0.00	6.79
12.30	78.37	0.00	78.37	14.90	6.64	0.00	6.64
12.35	63.67	0.00	63.67	14.95	6.49	0.00	6.49
12.40	53.16	0.00	53.16	15.00	6.34	0.00	6.34
12.45	45.54	0.00	45.54	15.05	6.19	0.00	6.19
12.50	41.22	0.00	41.22	15.10	6.05	0.00	6.05
12.55	38.43	0.00	38.43	15.15	5.91	0.00	5.91
12.60	34.02	0.00	34.02	15.20	5.82	0.00	5.82
12.65	29.15	0.00	29.15	15.25	5.75	0.00	5.75
12.70	26.09	0.00	26.09	15.30	5.70	0.00	5.70
12.75	24.40	0.00	24.40	15.35	5.66	0.00	5.66
12.80	23.14	0.00	23.14	15.40	5.63	0.00	5.63
12.85	22.09	0.00	22.09	15.45	5.59	0.00	5.59
12.90	21.08	0.00	21.08	15.50	5.56	0.00	5.56
12.95	20.12	0.00	20.12	15.55	5.51	0.00	5.51

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.48	0.00	5.48	18.20	3.44	0.00	3.44
15.65	5.45	0.00	5.45	18.25	3.43	0.00	3.43
15.70	5.40	0.00	5.40	18.30	3.42	0.00	3.42
15.75	5.36	0.00	5.36	18.35	3.40	0.00	3.40
15.80	5.32	0.00	5.32	18.40	3.39	0.00	3.39
15.85	5.28	0.00	5.28	18.45	3.38	0.00	3.38
15.90	5.25	0.00	5.25	18.50	3.38	0.00	3.38
15.95	5.22	0.00	5.22	18.55	3.37	0.00	3.37
16.00	5.18	0.00	5.18	18.60	3.36	0.00	3.36
16.05	5.13	0.00	5.13	18.65	3.35	0.00	3.35
16.10	5.10	0.00	5.10	18.70	3.34	0.00	3.34
16.15	5.06	0.00	5.06	18.75	3.33	0.00	3.33
16.20	5.03	0.00	5.03	18.80	3.32	0.00	3.32
16.25	4.99	0.00	4.99	18.85	3.31	0.00	3.31
16.30	4.95	0.00	4.95	18.90	3.30	0.00	3.30
16.35	4.90	0.00	4.90	18.95	3.29	0.00	3.29
16.40	4.86	0.00	4.86	19.00	3.28	0.00	3.28
16.45	4.83	0.00	4.83	19.05	3.27	0.00	3.27
16.50	4.79	0.00	4.79	19.10	3.26	0.00	3.26
16.55	4.74	0.00	4.74	19.15	3.25	0.00	3.25
16.60	4.71	0.00	4.71	19.20	3.24	0.00	3.24
16.65	4.67	0.00	4.67	19.25	3.23	0.00	3.23
16.70	4.64	0.00	4.64	19.30	3.22	0.00	3.22
16.75	4.60	0.00	4.60	19.35	3.21	0.00	3.21
16.80	4.55	0.00	4.55	19.40	3.20	0.00	3.20
16.85	4.51	0.00	4.51	19.45	3.19	0.00	3.19
16.90	4.47	0.00	4.47	19.50	3.18	0.00	3.18
16.95	4.44	0.00	4.44	19.55	3.17	0.00	3.17
17.00	4.40	0.00	4.40	19.60	3.16	0.00	3.16
17.05	4.36	0.00	4.36	19.65	3.15	0.00	3.15
17.10	4.32	0.00	4.32	19.70	3.14	0.00	3.14
17.15	4.28	0.00	4.28	19.75	3.14	0.00	3.14
17.20	4.24	0.00	4.24	19.80	3.13	0.00	3.13
17.25	4.20	0.00	4.20	19.85	3.13	0.00	3.13
17.30	4.15	0.00	4.15	19.90	3.12	0.00	3.12
17.35	4.11	0.00	4.11	19.95	3.10	0.00	3.10
17.40	4.07	0.00	4.07	20.00	3.09	0.00	3.09
17.45	4.03	0.00	4.03	20.05	3.08	0.00	3.08
17.50	4.00	0.00	4.00	20.10	3.07	0.00	3.07
17.55	3.96	0.00	3.96	20.15	3.06	0.00	3.06
17.60	3.92	0.00	3.92	20.20	3.05	0.00	3.05
17.65	3.88	0.00	3.88	20.25	3.04	0.00	3.04
17.70	3.83	0.00	3.83	20.30	3.03	0.00	3.03
17.75	3.80	0.00	3.80	20.35	3.02	0.00	3.02
17.80	3.75	0.00	3.75	20.40	3.01	0.00	3.01
17.85	3.71	0.00	3.71	20.45	3.00	0.00	3.00
17.90	3.67	0.00	3.67	20.50	2.99	0.00	2.99
17.95	3.63	0.00	3.63	20.55	2.98	0.00	2.98
18.00	3.59	0.00	3.59	20.60	2.97	0.00	2.97
18.05	3.55	0.00	3.55	20.65	2.97	0.00	2.97
18.10	3.51	0.00	3.51	20.70	2.96	0.00	2.96
18.15	3.47	0.00	3.47	20.75	2.94	0.00	2.94

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.93	0.00	2.93	23.40	2.40	0.00	2.40
20.85	2.92	0.00	2.92	23.45	2.40	0.00	2.40
20.90	2.91	0.00	2.91	23.50	2.38	0.00	2.38
20.95	2.90	0.00	2.90	23.55	2.37	0.00	2.37
21.00	2.89	0.00	2.89	23.60	2.35	0.00	2.35
21.05	2.88	0.00	2.88	23.65	2.34	0.00	2.34
21.10	2.87	0.00	2.87	23.70	2.34	0.00	2.34
21.15	2.86	0.00	2.86	23.75	2.33	0.00	2.33
21.20	2.85	0.00	2.85	23.80	2.32	0.00	2.32
21.25	2.84	0.00	2.84	23.85	2.31	0.00	2.31
21.30	2.83	0.00	2.83	23.90	2.29	0.00	2.29
21.35	2.83	0.00	2.83	23.95	2.31	0.00	2.31
21.40	2.82	0.00	2.82	24.00	2.45	0.00	2.45
21.45	2.80	0.00	2.80	24.05	2.48	0.00	2.48
21.50	2.79	0.00	2.79	24.10	1.86	0.00	1.86
21.55	2.78	0.00	2.78	24.15	0.95	0.00	0.95
21.60	2.77	0.00	2.77	24.20	0.41	0.00	0.41
21.65	2.76	0.00	2.76	24.25	0.18	0.00	0.18
21.70	2.75	0.00	2.75	24.30	0.08	0.00	0.08
21.75	2.74	0.00	2.74	24.35	0.03	0.00	0.03
21.80	2.73	0.00	2.73	24.40	0.01	0.00	0.01
21.85	2.73	0.00	2.73	24.45	0.00	0.00	0.00
21.90	2.72	0.00	2.72	24.50	0.00	0.00	0.00
21.95	2.70	0.00	2.70	24.55	0.00	0.00	0.00
22.00	2.69	0.00	2.69	24.60	0.00	0.00	0.00
22.05	2.67	0.00	2.67	24.65	0.00	0.00	0.00
22.10	2.66	0.00	2.66	24.70	0.00	0.00	0.00
22.15	2.65	0.00	2.65	24.75	0.00	0.00	0.00
22.20	2.65	0.00	2.65	24.80	0.00	0.00	0.00
22.25	2.65	0.00	2.65	24.85	0.00	0.00	0.00
22.30	2.63	0.00	2.63	24.90	0.00	0.00	0.00
22.35	2.62	0.00	2.62	24.95	0.00	0.00	0.00
22.40	2.60	0.00	2.60	25.00	0.00	0.00	0.00
22.45	2.59	0.00	2.59	25.05	0.00	0.00	0.00
22.50	2.58	0.00	2.58	25.10	0.00	0.00	0.00
22.55	2.57	0.00	2.57	25.15	0.00	0.00	0.00
22.60	2.57	0.00	2.57	25.20	0.00	0.00	0.00
22.65	2.56	0.00	2.56	25.25	0.00	0.00	0.00
22.70	2.55	0.00	2.55	25.30	0.00	0.00	0.00
22.75	2.54	0.00	2.54	25.35	0.00	0.00	0.00
22.80	2.52	0.00	2.52	25.40	0.00	0.00	0.00
22.85	2.51	0.00	2.51	25.45	0.00	0.00	0.00
22.90	2.50	0.00	2.50	25.50	0.00	0.00	0.00
22.95	2.49	0.00	2.49	25.55	0.00	0.00	0.00
23.00	2.48	0.00	2.48	25.60	0.00	0.00	0.00
23.05	2.48	0.00	2.48	25.65	0.00	0.00	0.00
23.10	2.47	0.00	2.47	25.70	0.00	0.00	0.00
23.15	2.45	0.00	2.45	25.75	0.00	0.00	0.00
23.20	2.44	0.00	2.44	25.80	0.00	0.00	0.00
23.25	2.43	0.00	2.43	25.85	0.00	0.00	0.00
23.30	2.41	0.00	2.41	25.90	0.00	0.00	0.00
23.35	2.41	0.00	2.41	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

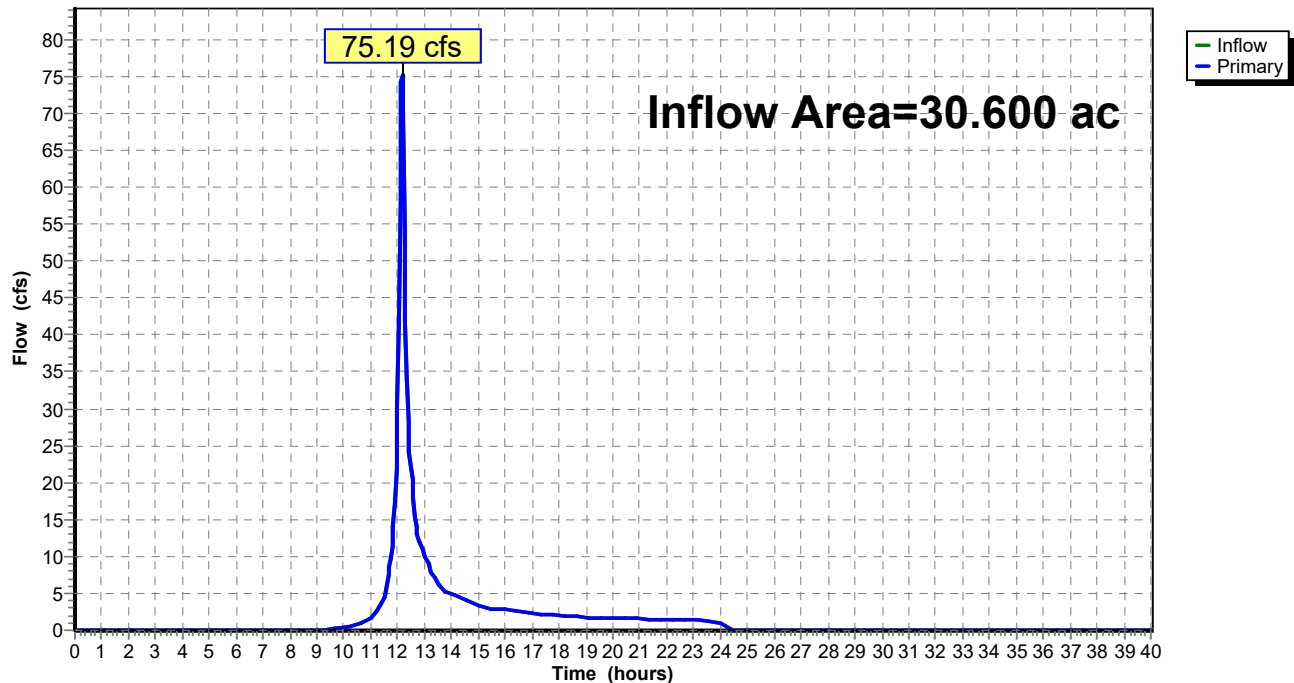
Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.16" for Current 10 yr event
Inflow = 75.19 cfs @ 12.16 hrs, Volume= 5.499 af
Primary = 75.19 cfs @ 12.16 hrs, Volume= 5.499 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60**Hydrograph**

Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.01	0.00	0.01	3.75	0.04	0.00	0.04
1.20	0.01	0.00	0.01	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.04	0.00	0.04
1.30	0.01	0.00	0.01	3.90	0.04	0.00	0.04
1.35	0.01	0.00	0.01	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.02	0.00	0.02	4.30	0.04	0.00	0.04
1.75	0.02	0.00	0.02	4.35	0.04	0.00	0.04
1.80	0.02	0.00	0.02	4.40	0.04	0.00	0.04
1.85	0.02	0.00	0.02	4.45	0.04	0.00	0.04
1.90	0.02	0.00	0.02	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.02	0.00	0.02	4.85	0.05	0.00	0.05
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.05	0.00	0.05
2.55	0.03	0.00	0.03	5.15	0.05	0.00	0.05

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.09	0.00	0.09
5.45	0.05	0.00	0.05	8.05	0.09	0.00	0.09
5.50	0.05	0.00	0.05	8.10	0.09	0.00	0.09
5.55	0.05	0.00	0.05	8.15	0.09	0.00	0.09
5.60	0.05	0.00	0.05	8.20	0.09	0.00	0.09
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.10	0.00	0.10
6.05	0.05	0.00	0.05	8.65	0.10	0.00	0.10
6.10	0.05	0.00	0.05	8.70	0.10	0.00	0.10
6.15	0.06	0.00	0.06	8.75	0.10	0.00	0.10
6.20	0.06	0.00	0.06	8.80	0.10	0.00	0.10
6.25	0.06	0.00	0.06	8.85	0.10	0.00	0.10
6.30	0.06	0.00	0.06	8.90	0.10	0.00	0.10
6.35	0.06	0.00	0.06	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.11	0.00	0.11
6.60	0.06	0.00	0.06	9.20	0.11	0.00	0.11
6.65	0.06	0.00	0.06	9.25	0.11	0.00	0.11
6.70	0.06	0.00	0.06	9.30	0.12	0.00	0.12
6.75	0.06	0.00	0.06	9.35	0.12	0.00	0.12
6.80	0.07	0.00	0.07	9.40	0.12	0.00	0.12
6.85	0.07	0.00	0.07	9.45	0.12	0.00	0.12
6.90	0.07	0.00	0.07	9.50	0.13	0.00	0.13
6.95	0.07	0.00	0.07	9.55	0.13	0.00	0.13
7.00	0.07	0.00	0.07	9.60	0.13	0.00	0.13
7.05	0.07	0.00	0.07	9.65	0.14	0.00	0.14
7.10	0.07	0.00	0.07	9.70	0.14	0.00	0.14
7.15	0.07	0.00	0.07	9.75	0.14	0.00	0.14
7.20	0.07	0.00	0.07	9.80	0.15	0.00	0.15
7.25	0.07	0.00	0.07	9.85	0.17	0.00	0.17
7.30	0.07	0.00	0.07	9.90	0.20	0.00	0.20
7.35	0.07	0.00	0.07	9.95	0.23	0.00	0.23
7.40	0.08	0.00	0.08	10.00	0.27	0.00	0.27
7.45	0.08	0.00	0.08	10.05	0.30	0.00	0.30
7.50	0.08	0.00	0.08	10.10	0.34	0.00	0.34
7.55	0.08	0.00	0.08	10.15	0.38	0.00	0.38
7.60	0.08	0.00	0.08	10.20	0.42	0.00	0.42
7.65	0.08	0.00	0.08	10.25	0.46	0.00	0.46
7.70	0.08	0.00	0.08	10.30	0.51	0.00	0.51
7.75	0.08	0.00	0.08	10.35	0.55	0.00	0.55

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.60	0.00	0.60	13.00	10.20	0.00	10.20
10.45	0.65	0.00	0.65	13.05	9.68	0.00	9.68
10.50	0.69	0.00	0.69	13.10	9.16	0.00	9.16
10.55	0.75	0.00	0.75	13.15	8.66	0.00	8.66
10.60	0.82	0.00	0.82	13.20	8.26	0.00	8.26
10.65	0.91	0.00	0.91	13.25	7.93	0.00	7.93
10.70	1.00	0.00	1.00	13.30	7.62	0.00	7.62
10.75	1.10	0.00	1.10	13.35	7.33	0.00	7.33
10.80	1.22	0.00	1.22	13.40	7.04	0.00	7.04
10.85	1.34	0.00	1.34	13.45	6.75	0.00	6.75
10.90	1.47	0.00	1.47	13.50	6.46	0.00	6.46
10.95	1.60	0.00	1.60	13.55	6.17	0.00	6.17
11.00	1.75	0.00	1.75	13.60	5.88	0.00	5.88
11.05	1.90	0.00	1.90	13.65	5.61	0.00	5.61
11.10	2.10	0.00	2.10	13.70	5.43	0.00	5.43
11.15	2.33	0.00	2.33	13.75	5.31	0.00	5.31
11.20	2.59	0.00	2.59	13.80	5.22	0.00	5.22
11.25	2.86	0.00	2.86	13.85	5.14	0.00	5.14
11.30	3.16	0.00	3.16	13.90	5.06	0.00	5.06
11.35	3.47	0.00	3.47	13.95	4.99	0.00	4.99
11.40	3.81	0.00	3.81	14.00	4.92	0.00	4.92
11.45	4.16	0.00	4.16	14.05	4.84	0.00	4.84
11.50	4.52	0.00	4.52	14.10	4.76	0.00	4.76
11.55	5.01	0.00	5.01	14.15	4.69	0.00	4.69
11.60	6.10	0.00	6.10	14.20	4.62	0.00	4.62
11.65	7.48	0.00	7.48	14.25	4.55	0.00	4.55
11.70	8.62	0.00	8.62	14.30	4.47	0.00	4.47
11.75	9.70	0.00	9.70	14.35	4.39	0.00	4.39
11.80	11.48	0.00	11.48	14.40	4.31	0.00	4.31
11.85	13.91	0.00	13.91	14.45	4.24	0.00	4.24
11.90	17.28	0.00	17.28	14.50	4.16	0.00	4.16
11.95	21.90	0.00	21.90	14.55	4.09	0.00	4.09
12.00	29.92	0.00	29.92	14.60	4.01	0.00	4.01
12.05	41.26	0.00	41.26	14.65	3.93	0.00	3.93
12.10	58.33	0.00	58.33	14.70	3.85	0.00	3.85
12.15	74.31	0.00	74.31	14.75	3.77	0.00	3.77
12.20	70.21	0.00	70.21	14.80	3.70	0.00	3.70
12.25	54.11	0.00	54.11	14.85	3.62	0.00	3.62
12.30	41.71	0.00	41.71	14.90	3.54	0.00	3.54
12.35	33.89	0.00	33.89	14.95	3.46	0.00	3.46
12.40	28.30	0.00	28.30	15.00	3.38	0.00	3.38
12.45	24.25	0.00	24.25	15.05	3.30	0.00	3.30
12.50	21.94	0.00	21.94	15.10	3.22	0.00	3.22
12.55	20.46	0.00	20.46	15.15	3.15	0.00	3.15
12.60	18.12	0.00	18.12	15.20	3.10	0.00	3.10
12.65	15.52	0.00	15.52	15.25	3.07	0.00	3.07
12.70	13.90	0.00	13.90	15.30	3.04	0.00	3.04
12.75	12.99	0.00	12.99	15.35	3.02	0.00	3.02
12.80	12.32	0.00	12.32	15.40	3.00	0.00	3.00
12.85	11.76	0.00	11.76	15.45	2.98	0.00	2.98
12.90	11.23	0.00	11.23	15.50	2.96	0.00	2.96
12.95	10.72	0.00	10.72	15.55	2.94	0.00	2.94

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.92	0.00	2.92	18.20	1.84	0.00	1.84
15.65	2.90	0.00	2.90	18.25	1.83	0.00	1.83
15.70	2.88	0.00	2.88	18.30	1.82	0.00	1.82
15.75	2.86	0.00	2.86	18.35	1.82	0.00	1.82
15.80	2.84	0.00	2.84	18.40	1.81	0.00	1.81
15.85	2.82	0.00	2.82	18.45	1.80	0.00	1.80
15.90	2.80	0.00	2.80	18.50	1.80	0.00	1.80
15.95	2.78	0.00	2.78	18.55	1.79	0.00	1.79
16.00	2.76	0.00	2.76	18.60	1.79	0.00	1.79
16.05	2.74	0.00	2.74	18.65	1.78	0.00	1.78
16.10	2.72	0.00	2.72	18.70	1.78	0.00	1.78
16.15	2.70	0.00	2.70	18.75	1.77	0.00	1.77
16.20	2.68	0.00	2.68	18.80	1.77	0.00	1.77
16.25	2.66	0.00	2.66	18.85	1.76	0.00	1.76
16.30	2.64	0.00	2.64	18.90	1.76	0.00	1.76
16.35	2.61	0.00	2.61	18.95	1.75	0.00	1.75
16.40	2.59	0.00	2.59	19.00	1.75	0.00	1.75
16.45	2.57	0.00	2.57	19.05	1.74	0.00	1.74
16.50	2.55	0.00	2.55	19.10	1.74	0.00	1.74
16.55	2.53	0.00	2.53	19.15	1.73	0.00	1.73
16.60	2.51	0.00	2.51	19.20	1.73	0.00	1.73
16.65	2.49	0.00	2.49	19.25	1.72	0.00	1.72
16.70	2.47	0.00	2.47	19.30	1.72	0.00	1.72
16.75	2.45	0.00	2.45	19.35	1.71	0.00	1.71
16.80	2.43	0.00	2.43	19.40	1.71	0.00	1.71
16.85	2.40	0.00	2.40	19.45	1.70	0.00	1.70
16.90	2.38	0.00	2.38	19.50	1.70	0.00	1.70
16.95	2.36	0.00	2.36	19.55	1.69	0.00	1.69
17.00	2.34	0.00	2.34	19.60	1.69	0.00	1.69
17.05	2.32	0.00	2.32	19.65	1.68	0.00	1.68
17.10	2.30	0.00	2.30	19.70	1.68	0.00	1.68
17.15	2.28	0.00	2.28	19.75	1.67	0.00	1.67
17.20	2.26	0.00	2.26	19.80	1.67	0.00	1.67
17.25	2.24	0.00	2.24	19.85	1.67	0.00	1.67
17.30	2.21	0.00	2.21	19.90	1.66	0.00	1.66
17.35	2.19	0.00	2.19	19.95	1.65	0.00	1.65
17.40	2.17	0.00	2.17	20.00	1.65	0.00	1.65
17.45	2.15	0.00	2.15	20.05	1.64	0.00	1.64
17.50	2.13	0.00	2.13	20.10	1.64	0.00	1.64
17.55	2.11	0.00	2.11	20.15	1.63	0.00	1.63
17.60	2.09	0.00	2.09	20.20	1.62	0.00	1.62
17.65	2.07	0.00	2.07	20.25	1.62	0.00	1.62
17.70	2.04	0.00	2.04	20.30	1.61	0.00	1.61
17.75	2.02	0.00	2.02	20.35	1.61	0.00	1.61
17.80	2.00	0.00	2.00	20.40	1.60	0.00	1.60
17.85	1.98	0.00	1.98	20.45	1.60	0.00	1.60
17.90	1.96	0.00	1.96	20.50	1.59	0.00	1.59
17.95	1.94	0.00	1.94	20.55	1.59	0.00	1.59
18.00	1.91	0.00	1.91	20.60	1.59	0.00	1.59
18.05	1.89	0.00	1.89	20.65	1.58	0.00	1.58
18.10	1.87	0.00	1.87	20.70	1.58	0.00	1.58
18.15	1.85	0.00	1.85	20.75	1.57	0.00	1.57

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.56	0.00	1.56	23.40	1.28	0.00	1.28
20.85	1.56	0.00	1.56	23.45	1.28	0.00	1.28
20.90	1.55	0.00	1.55	23.50	1.27	0.00	1.27
20.95	1.55	0.00	1.55	23.55	1.26	0.00	1.26
21.00	1.54	0.00	1.54	23.60	1.26	0.00	1.26
21.05	1.53	0.00	1.53	23.65	1.25	0.00	1.25
21.10	1.53	0.00	1.53	23.70	1.25	0.00	1.25
21.15	1.52	0.00	1.52	23.75	1.24	0.00	1.24
21.20	1.52	0.00	1.52	23.80	1.24	0.00	1.24
21.25	1.51	0.00	1.51	23.85	1.23	0.00	1.23
21.30	1.51	0.00	1.51	23.90	1.22	0.00	1.22
21.35	1.51	0.00	1.51	23.95	1.23	0.00	1.23
21.40	1.50	0.00	1.50	24.00	1.30	0.00	1.30
21.45	1.49	0.00	1.49	24.05	1.33	0.00	1.33
21.50	1.49	0.00	1.49	24.10	0.99	0.00	0.99
21.55	1.48	0.00	1.48	24.15	0.51	0.00	0.51
21.60	1.47	0.00	1.47	24.20	0.22	0.00	0.22
21.65	1.47	0.00	1.47	24.25	0.10	0.00	0.10
21.70	1.46	0.00	1.46	24.30	0.04	0.00	0.04
21.75	1.46	0.00	1.46	24.35	0.02	0.00	0.02
21.80	1.46	0.00	1.46	24.40	0.01	0.00	0.01
21.85	1.45	0.00	1.45	24.45	0.00	0.00	0.00
21.90	1.45	0.00	1.45	24.50	0.00	0.00	0.00
21.95	1.44	0.00	1.44	24.55	0.00	0.00	0.00
22.00	1.43	0.00	1.43	24.60	0.00	0.00	0.00
22.05	1.43	0.00	1.43	24.65	0.00	0.00	0.00
22.10	1.42	0.00	1.42	24.70	0.00	0.00	0.00
22.15	1.42	0.00	1.42	24.75	0.00	0.00	0.00
22.20	1.41	0.00	1.41	24.80	0.00	0.00	0.00
22.25	1.41	0.00	1.41	24.85	0.00	0.00	0.00
22.30	1.40	0.00	1.40	24.90	0.00	0.00	0.00
22.35	1.40	0.00	1.40	24.95	0.00	0.00	0.00
22.40	1.39	0.00	1.39	25.00	0.00	0.00	0.00
22.45	1.38	0.00	1.38	25.05	0.00	0.00	0.00
22.50	1.38	0.00	1.38	25.10	0.00	0.00	0.00
22.55	1.37	0.00	1.37	25.15	0.00	0.00	0.00
22.60	1.37	0.00	1.37	25.20	0.00	0.00	0.00
22.65	1.37	0.00	1.37	25.25	0.00	0.00	0.00
22.70	1.36	0.00	1.36	25.30	0.00	0.00	0.00
22.75	1.35	0.00	1.35	25.35	0.00	0.00	0.00
22.80	1.34	0.00	1.34	25.40	0.00	0.00	0.00
22.85	1.34	0.00	1.34	25.45	0.00	0.00	0.00
22.90	1.33	0.00	1.33	25.50	0.00	0.00	0.00
22.95	1.33	0.00	1.33	25.55	0.00	0.00	0.00
23.00	1.32	0.00	1.32	25.60	0.00	0.00	0.00
23.05	1.32	0.00	1.32	25.65	0.00	0.00	0.00
23.10	1.32	0.00	1.32	25.70	0.00	0.00	0.00
23.15	1.31	0.00	1.31	25.75	0.00	0.00	0.00
23.20	1.30	0.00	1.30	25.80	0.00	0.00	0.00
23.25	1.29	0.00	1.29	25.85	0.00	0.00	0.00
23.30	1.29	0.00	1.29	25.90	0.00	0.00	0.00
23.35	1.28	0.00	1.28	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 38.27 cfs @ 12.16 hrs, Volume= 3.056 af, Depth= 7.48"
Routed to Link XDA-1O : XDA-1O

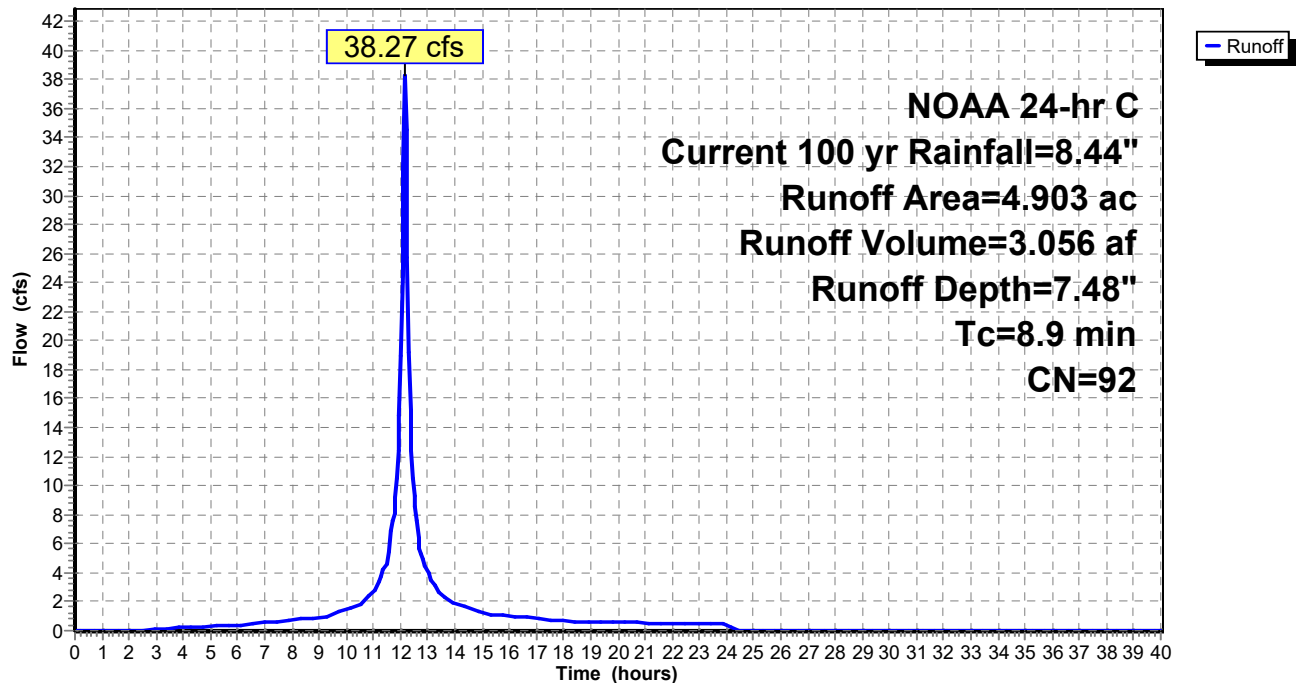
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.01	0.07
0.05	0.01	0.00	0.00	2.65	0.26	0.01	0.08
0.10	0.01	0.00	0.00	2.70	0.26	0.01	0.08
0.15	0.02	0.00	0.00	2.75	0.27	0.01	0.09
0.20	0.02	0.00	0.00	2.80	0.28	0.01	0.09
0.25	0.02	0.00	0.00	2.85	0.28	0.01	0.10
0.30	0.03	0.00	0.00	2.90	0.29	0.01	0.10
0.35	0.03	0.00	0.00	2.95	0.29	0.01	0.11
0.40	0.04	0.00	0.00	3.00	0.30	0.02	0.11
0.45	0.04	0.00	0.00	3.05	0.30	0.02	0.12
0.50	0.05	0.00	0.00	3.10	0.31	0.02	0.12
0.55	0.05	0.00	0.00	3.15	0.31	0.02	0.13
0.60	0.06	0.00	0.00	3.20	0.32	0.02	0.13
0.65	0.06	0.00	0.00	3.25	0.33	0.02	0.14
0.70	0.06	0.00	0.00	3.30	0.33	0.02	0.14
0.75	0.07	0.00	0.00	3.35	0.34	0.03	0.15
0.80	0.07	0.00	0.00	3.40	0.34	0.03	0.16
0.85	0.08	0.00	0.00	3.45	0.35	0.03	0.16
0.90	0.08	0.00	0.00	3.50	0.35	0.03	0.17
0.95	0.09	0.00	0.00	3.55	0.36	0.03	0.17
1.00	0.09	0.00	0.00	3.60	0.37	0.03	0.18
1.05	0.10	0.00	0.00	3.65	0.37	0.04	0.18
1.10	0.10	0.00	0.00	3.70	0.38	0.04	0.19
1.15	0.11	0.00	0.00	3.75	0.38	0.04	0.19
1.20	0.11	0.00	0.00	3.80	0.39	0.04	0.19
1.25	0.12	0.00	0.00	3.85	0.40	0.04	0.20
1.30	0.12	0.00	0.00	3.90	0.40	0.05	0.20
1.35	0.13	0.00	0.00	3.95	0.41	0.05	0.21
1.40	0.13	0.00	0.00	4.00	0.41	0.05	0.21
1.45	0.14	0.00	0.00	4.05	0.42	0.05	0.22
1.50	0.14	0.00	0.00	4.10	0.43	0.06	0.22
1.55	0.15	0.00	0.00	4.15	0.43	0.06	0.23
1.60	0.15	0.00	0.00	4.20	0.44	0.06	0.23
1.65	0.16	0.00	0.00	4.25	0.44	0.06	0.24
1.70	0.16	0.00	0.00	4.30	0.45	0.07	0.24
1.75	0.17	0.00	0.00	4.35	0.46	0.07	0.25
1.80	0.17	0.00	0.00	4.40	0.46	0.07	0.25
1.85	0.18	0.00	0.00	4.45	0.47	0.07	0.26
1.90	0.18	0.00	0.00	4.50	0.47	0.08	0.26
1.95	0.19	0.00	0.00	4.55	0.48	0.08	0.27
2.00	0.19	0.00	0.01	4.60	0.49	0.08	0.27
2.05	0.20	0.00	0.01	4.65	0.49	0.09	0.27
2.10	0.20	0.00	0.02	4.70	0.50	0.09	0.28
2.15	0.21	0.00	0.02	4.75	0.51	0.09	0.28
2.20	0.21	0.00	0.03	4.80	0.51	0.09	0.29
2.25	0.22	0.00	0.03	4.85	0.52	0.10	0.29
2.30	0.22	0.00	0.04	4.90	0.52	0.10	0.30
2.35	0.23	0.00	0.04	4.95	0.53	0.10	0.30
2.40	0.23	0.00	0.05	5.00	0.54	0.11	0.31
2.45	0.24	0.00	0.05	5.05	0.54	0.11	0.31
2.50	0.24	0.01	0.06	5.10	0.55	0.11	0.31
2.55	0.25	0.01	0.07	5.15	0.56	0.12	0.32

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.12	0.32	7.80	0.97	0.38	0.69
5.25	0.57	0.12	0.33	7.85	0.98	0.39	0.70
5.30	0.58	0.13	0.33	7.90	0.99	0.40	0.71
5.35	0.58	0.13	0.34	7.95	1.00	0.40	0.71
5.40	0.59	0.13	0.34	8.00	1.01	0.41	0.72
5.45	0.60	0.14	0.34	8.05	1.02	0.42	0.73
5.50	0.60	0.14	0.35	8.10	1.03	0.43	0.74
5.55	0.61	0.14	0.35	8.15	1.04	0.43	0.75
5.60	0.62	0.15	0.36	8.20	1.05	0.44	0.76
5.65	0.62	0.15	0.36	8.25	1.06	0.45	0.77
5.70	0.63	0.16	0.36	8.30	1.07	0.46	0.78
5.75	0.64	0.16	0.37	8.35	1.08	0.47	0.79
5.80	0.64	0.16	0.37	8.40	1.10	0.47	0.80
5.85	0.65	0.17	0.38	8.45	1.11	0.48	0.81
5.90	0.66	0.17	0.38	8.50	1.12	0.49	0.82
5.95	0.66	0.18	0.39	8.55	1.13	0.50	0.83
6.00	0.67	0.18	0.39	8.60	1.14	0.51	0.84
6.05	0.68	0.18	0.39	8.65	1.15	0.52	0.85
6.10	0.68	0.19	0.40	8.70	1.16	0.53	0.86
6.15	0.69	0.19	0.41	8.75	1.17	0.54	0.87
6.20	0.70	0.20	0.41	8.80	1.19	0.54	0.87
6.25	0.70	0.20	0.42	8.85	1.20	0.55	0.88
6.30	0.71	0.21	0.43	8.90	1.21	0.56	0.89
6.35	0.72	0.21	0.44	8.95	1.22	0.57	0.90
6.40	0.73	0.21	0.45	9.00	1.23	0.58	0.91
6.45	0.73	0.22	0.45	9.05	1.25	0.59	0.92
6.50	0.74	0.22	0.46	9.10	1.26	0.60	0.94
6.55	0.75	0.23	0.47	9.15	1.27	0.61	0.97
6.60	0.76	0.23	0.48	9.20	1.28	0.62	0.99
6.65	0.77	0.24	0.49	9.25	1.30	0.63	1.02
6.70	0.77	0.24	0.49	9.30	1.31	0.64	1.05
6.75	0.78	0.25	0.50	9.35	1.33	0.66	1.08
6.80	0.79	0.26	0.51	9.40	1.34	0.67	1.11
6.85	0.80	0.26	0.52	9.45	1.35	0.68	1.14
6.90	0.81	0.27	0.53	9.50	1.37	0.69	1.16
6.95	0.81	0.27	0.54	9.55	1.39	0.71	1.19
7.00	0.82	0.28	0.55	9.60	1.40	0.72	1.22
7.05	0.83	0.28	0.55	9.65	1.42	0.73	1.25
7.10	0.84	0.29	0.56	9.70	1.43	0.75	1.28
7.15	0.85	0.30	0.57	9.75	1.45	0.76	1.31
7.20	0.86	0.30	0.58	9.80	1.47	0.77	1.34
7.25	0.87	0.31	0.59	9.85	1.49	0.79	1.37
7.30	0.88	0.31	0.60	9.90	1.50	0.80	1.40
7.35	0.89	0.32	0.61	9.95	1.52	0.82	1.44
7.40	0.89	0.33	0.61	10.00	1.54	0.83	1.47
7.45	0.90	0.33	0.62	10.05	1.56	0.85	1.50
7.50	0.91	0.34	0.63	10.10	1.58	0.87	1.53
7.55	0.92	0.35	0.64	10.15	1.60	0.88	1.56
7.60	0.93	0.35	0.65	10.20	1.62	0.90	1.59
7.65	0.94	0.36	0.66	10.25	1.64	0.92	1.62
7.70	0.95	0.37	0.67	10.30	1.66	0.93	1.65
7.75	0.96	0.37	0.68	10.35	1.68	0.95	1.68

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.97	1.71	13.00	6.41	5.48	4.08
10.45	1.72	0.99	1.75	13.05	6.45	5.51	3.87
10.50	1.74	1.01	1.78	13.10	6.48	5.54	3.64
10.55	1.76	1.03	1.82	13.15	6.51	5.57	3.44
10.60	1.79	1.05	1.89	13.20	6.54	5.60	3.27
10.65	1.81	1.07	1.98	13.25	6.57	5.63	3.13
10.70	1.84	1.09	2.09	13.30	6.60	5.66	3.00
10.75	1.87	1.12	2.19	13.35	6.63	5.69	2.88
10.80	1.90	1.14	2.31	13.40	6.65	5.71	2.76
10.85	1.93	1.17	2.42	13.45	6.68	5.74	2.64
10.90	1.96	1.20	2.53	13.50	6.70	5.76	2.52
10.95	1.99	1.23	2.64	13.55	6.72	5.78	2.41
11.00	2.03	1.26	2.76	13.60	6.74	5.80	2.29
11.05	2.06	1.29	2.88	13.65	6.76	5.82	2.18
11.10	2.10	1.33	3.05	13.70	6.78	5.84	2.11
11.15	2.14	1.37	3.24	13.75	6.80	5.86	2.06
11.20	2.19	1.41	3.44	13.80	6.82	5.88	2.02
11.25	2.23	1.45	3.65	13.85	6.84	5.90	1.98
11.30	2.28	1.49	3.87	13.90	6.86	5.92	1.95
11.35	2.33	1.54	4.08	13.95	6.88	5.94	1.92
11.40	2.38	1.59	4.30	14.00	6.90	5.96	1.89
11.45	2.44	1.64	4.51	14.05	6.92	5.98	1.86
11.50	2.49	1.69	4.71	14.10	6.94	5.99	1.82
11.55	2.58	1.77	5.02	14.15	6.95	6.01	1.79
11.60	2.66	1.85	5.84	14.20	6.97	6.03	1.76
11.65	2.75	1.93	6.85	14.25	6.99	6.04	1.74
11.70	2.84	2.01	7.55	14.30	7.01	6.06	1.70
11.75	2.97	2.13	8.12	14.35	7.02	6.08	1.67
11.80	3.09	2.25	9.15	14.40	7.04	6.09	1.64
11.85	3.26	2.41	10.54	14.45	7.05	6.11	1.61
11.90	3.43	2.57	12.42	14.50	7.07	6.12	1.58
11.95	3.73	2.85	14.86	14.55	7.09	6.14	1.55
12.00	4.02	3.14	19.02	14.60	7.10	6.15	1.52
12.05	4.52	3.62	24.48	14.65	7.11	6.17	1.49
12.10	5.01	4.10	32.04	14.70	7.13	6.18	1.46
12.15	5.18	4.26	38.20	14.75	7.14	6.20	1.42
12.20	5.35	4.43	34.48	14.80	7.16	6.21	1.39
12.25	5.47	4.55	25.67	14.85	7.17	6.22	1.37
12.30	5.60	4.67	19.18	14.90	7.18	6.23	1.33
12.35	5.69	4.76	15.18	14.95	7.19	6.25	1.30
12.40	5.78	4.85	12.41	15.00	7.21	6.26	1.27
12.45	5.86	4.93	10.46	15.05	7.22	6.27	1.24
12.50	5.95	5.02	9.33	15.10	7.23	6.28	1.21
12.55	6.00	5.07	8.60	15.15	7.24	6.29	1.18
12.60	6.06	5.12	7.55	15.20	7.25	6.31	1.16
12.65	6.11	5.18	6.43	15.25	7.27	6.32	1.15
12.70	6.16	5.23	5.72	15.30	7.28	6.33	1.14
12.75	6.21	5.27	5.32	15.35	7.29	6.34	1.13
12.80	6.25	5.32	5.02	15.40	7.30	6.35	1.12
12.85	6.30	5.36	4.77	15.45	7.31	6.36	1.11
12.90	6.34	5.40	4.53	15.50	7.32	6.37	1.11
12.95	6.38	5.44	4.31	15.55	7.33	6.38	1.10

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	6.39	1.09	18.20	7.80	6.84	0.67
15.65	7.36	6.41	1.08	18.25	7.80	6.85	0.66
15.70	7.37	6.42	1.07	18.30	7.81	6.86	0.66
15.75	7.38	6.43	1.06	18.35	7.82	6.86	0.66
15.80	7.39	6.44	1.05	18.40	7.82	6.87	0.66
15.85	7.40	6.45	1.05	18.45	7.83	6.88	0.65
15.90	7.41	6.46	1.04	18.50	7.84	6.88	0.65
15.95	7.42	6.47	1.03	18.55	7.84	6.89	0.65
16.00	7.43	6.48	1.02	18.60	7.85	6.90	0.65
16.05	7.44	6.49	1.01	18.65	7.86	6.90	0.65
16.10	7.45	6.50	1.01	18.70	7.86	6.91	0.64
16.15	7.46	6.51	1.00	18.75	7.87	6.92	0.64
16.20	7.47	6.52	0.99	18.80	7.88	6.92	0.64
16.25	7.48	6.53	0.98	18.85	7.88	6.93	0.64
16.30	7.49	6.54	0.97	18.90	7.89	6.93	0.64
16.35	7.50	6.55	0.96	18.95	7.90	6.94	0.63
16.40	7.51	6.56	0.96	19.00	7.90	6.95	0.63
16.45	7.52	6.57	0.95	19.05	7.91	6.95	0.63
16.50	7.53	6.58	0.94	19.10	7.92	6.96	0.63
16.55	7.54	6.58	0.93	19.15	7.92	6.97	0.63
16.60	7.55	6.59	0.92	19.20	7.93	6.97	0.62
16.65	7.55	6.60	0.92	19.25	7.93	6.98	0.62
16.70	7.56	6.61	0.91	19.30	7.94	6.99	0.62
16.75	7.57	6.62	0.90	19.35	7.95	6.99	0.62
16.80	7.58	6.63	0.89	19.40	7.95	7.00	0.61
16.85	7.59	6.64	0.88	19.45	7.96	7.00	0.61
16.90	7.60	6.65	0.87	19.50	7.97	7.01	0.61
16.95	7.61	6.66	0.87	19.55	7.97	7.02	0.61
17.00	7.62	6.66	0.86	19.60	7.98	7.02	0.61
17.05	7.63	6.67	0.85	19.65	7.98	7.03	0.60
17.10	7.63	6.68	0.84	19.70	7.99	7.03	0.60
17.15	7.64	6.69	0.84	19.75	8.00	7.04	0.60
17.20	7.65	6.70	0.83	19.80	8.00	7.05	0.60
17.25	7.66	6.71	0.82	19.85	8.01	7.05	0.60
17.30	7.67	6.71	0.81	19.90	8.01	7.06	0.60
17.35	7.67	6.72	0.80	19.95	8.02	7.06	0.59
17.40	7.68	6.73	0.79	20.00	8.03	7.07	0.59
17.45	7.69	6.74	0.79	20.05	8.03	7.08	0.59
17.50	7.70	6.74	0.78	20.10	8.04	7.08	0.59
17.55	7.71	6.75	0.77	20.15	8.04	7.09	0.58
17.60	7.71	6.76	0.76	20.20	8.05	7.09	0.58
17.65	7.72	6.77	0.75	20.25	8.06	7.10	0.58
17.70	7.73	6.77	0.74	20.30	8.06	7.11	0.58
17.75	7.74	6.78	0.74	20.35	8.07	7.11	0.58
17.80	7.74	6.79	0.73	20.40	8.07	7.12	0.57
17.85	7.75	6.80	0.72	20.45	8.08	7.12	0.57
17.90	7.76	6.80	0.71	20.50	8.09	7.13	0.57
17.95	7.76	6.81	0.70	20.55	8.09	7.13	0.57
18.00	7.77	6.82	0.70	20.60	8.10	7.14	0.57
18.05	7.78	6.82	0.69	20.65	8.10	7.15	0.57
18.10	7.78	6.83	0.68	20.70	8.11	7.15	0.56
18.15	7.79	6.84	0.67	20.75	8.11	7.16	0.56

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.16	0.56	23.40	8.38	7.42	0.45
20.85	8.13	7.17	0.56	23.45	8.39	7.43	0.45
20.90	8.13	7.17	0.55	23.50	8.39	7.43	0.45
20.95	8.14	7.18	0.55	23.55	8.40	7.44	0.45
21.00	8.14	7.18	0.55	23.60	8.40	7.44	0.44
21.05	8.15	7.19	0.55	23.65	8.41	7.45	0.44
21.10	8.15	7.20	0.54	23.70	8.41	7.45	0.44
21.15	8.16	7.20	0.54	23.75	8.42	7.46	0.44
21.20	8.16	7.21	0.54	23.80	8.42	7.46	0.44
21.25	8.17	7.21	0.54	23.85	8.42	7.46	0.43
21.30	8.18	7.22	0.54	23.90	8.43	7.47	0.43
21.35	8.18	7.22	0.54	23.95	8.43	7.47	0.43
21.40	8.19	7.23	0.53	24.00	8.44	7.48	0.46
21.45	8.19	7.23	0.53	24.05	8.44	7.48	0.47
21.50	8.20	7.24	0.53	24.10	8.44	7.48	0.35
21.55	8.20	7.24	0.53	24.15	8.44	7.48	0.18
21.60	8.21	7.25	0.52	24.20	8.44	7.48	0.08
21.65	8.21	7.25	0.52	24.25	8.44	7.48	0.03
21.70	8.22	7.26	0.52	24.30	8.44	7.48	0.01
21.75	8.22	7.26	0.52	24.35	8.44	7.48	0.01
21.80	8.23	7.27	0.52	24.40	8.44	7.48	0.00
21.85	8.23	7.27	0.52	24.45	8.44	7.48	0.00
21.90	8.24	7.28	0.51	24.50	8.44	7.48	0.00
21.95	8.24	7.29	0.51	24.55	8.44	7.48	0.00
22.00	8.25	7.29	0.51	24.60	8.44	7.48	0.00
22.05	8.25	7.30	0.51	24.65	8.44	7.48	0.00
22.10	8.26	7.30	0.50	24.70	8.44	7.48	0.00
22.15	8.26	7.31	0.50	24.75	8.44	7.48	0.00
22.20	8.27	7.31	0.50	24.80	8.44	7.48	0.00
22.25	8.27	7.32	0.50	24.85	8.44	7.48	0.00
22.30	8.28	7.32	0.50	24.90	8.44	7.48	0.00
22.35	8.28	7.33	0.49	24.95	8.44	7.48	0.00
22.40	8.29	7.33	0.49	25.00	8.44	7.48	0.00
22.45	8.29	7.34	0.49	25.05	8.44	7.48	0.00
22.50	8.30	7.34	0.49	25.10	8.44	7.48	0.00
22.55	8.30	7.34	0.49	25.15	8.44	7.48	0.00
22.60	8.31	7.35	0.48	25.20	8.44	7.48	0.00
22.65	8.31	7.35	0.48	25.25	8.44	7.48	0.00
22.70	8.32	7.36	0.48	25.30	8.44	7.48	0.00
22.75	8.32	7.36	0.48	25.35	8.44	7.48	0.00
22.80	8.33	7.37	0.48	25.40	8.44	7.48	0.00
22.85	8.33	7.37	0.47	25.45	8.44	7.48	0.00
22.90	8.34	7.38	0.47	25.50	8.44	7.48	0.00
22.95	8.34	7.38	0.47	25.55	8.44	7.48	0.00
23.00	8.35	7.39	0.47	25.60	8.44	7.48	0.00
23.05	8.35	7.39	0.47	25.65	8.44	7.48	0.00
23.10	8.36	7.40	0.46	25.70	8.44	7.48	0.00
23.15	8.36	7.40	0.46	25.75	8.44	7.48	0.00
23.20	8.37	7.41	0.46	25.80	8.44	7.48	0.00
23.25	8.37	7.41	0.46	25.85	8.44	7.48	0.00
23.30	8.38	7.42	0.45	25.90	8.44	7.48	0.00
23.35	8.38	7.42	0.45	25.95	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	7.48	0.00	28.60	8.44	7.48	0.00
26.05	8.44	7.48	0.00	28.65	8.44	7.48	0.00
26.10	8.44	7.48	0.00	28.70	8.44	7.48	0.00
26.15	8.44	7.48	0.00	28.75	8.44	7.48	0.00
26.20	8.44	7.48	0.00	28.80	8.44	7.48	0.00
26.25	8.44	7.48	0.00	28.85	8.44	7.48	0.00
26.30	8.44	7.48	0.00	28.90	8.44	7.48	0.00
26.35	8.44	7.48	0.00	28.95	8.44	7.48	0.00
26.40	8.44	7.48	0.00	29.00	8.44	7.48	0.00
26.45	8.44	7.48	0.00	29.05	8.44	7.48	0.00
26.50	8.44	7.48	0.00	29.10	8.44	7.48	0.00
26.55	8.44	7.48	0.00	29.15	8.44	7.48	0.00
26.60	8.44	7.48	0.00	29.20	8.44	7.48	0.00
26.65	8.44	7.48	0.00	29.25	8.44	7.48	0.00
26.70	8.44	7.48	0.00	29.30	8.44	7.48	0.00
26.75	8.44	7.48	0.00	29.35	8.44	7.48	0.00
26.80	8.44	7.48	0.00	29.40	8.44	7.48	0.00
26.85	8.44	7.48	0.00	29.45	8.44	7.48	0.00
26.90	8.44	7.48	0.00	29.50	8.44	7.48	0.00
26.95	8.44	7.48	0.00	29.55	8.44	7.48	0.00
27.00	8.44	7.48	0.00	29.60	8.44	7.48	0.00
27.05	8.44	7.48	0.00	29.65	8.44	7.48	0.00
27.10	8.44	7.48	0.00	29.70	8.44	7.48	0.00
27.15	8.44	7.48	0.00	29.75	8.44	7.48	0.00
27.20	8.44	7.48	0.00	29.80	8.44	7.48	0.00
27.25	8.44	7.48	0.00	29.85	8.44	7.48	0.00
27.30	8.44	7.48	0.00	29.90	8.44	7.48	0.00
27.35	8.44	7.48	0.00	29.95	8.44	7.48	0.00
27.40	8.44	7.48	0.00	30.00	8.44	7.48	0.00
27.45	8.44	7.48	0.00	30.05	8.44	7.48	0.00
27.50	8.44	7.48	0.00	30.10	8.44	7.48	0.00
27.55	8.44	7.48	0.00	30.15	8.44	7.48	0.00
27.60	8.44	7.48	0.00	30.20	8.44	7.48	0.00
27.65	8.44	7.48	0.00	30.25	8.44	7.48	0.00
27.70	8.44	7.48	0.00	30.30	8.44	7.48	0.00
27.75	8.44	7.48	0.00	30.35	8.44	7.48	0.00
27.80	8.44	7.48	0.00	30.40	8.44	7.48	0.00
27.85	8.44	7.48	0.00	30.45	8.44	7.48	0.00
27.90	8.44	7.48	0.00	30.50	8.44	7.48	0.00
27.95	8.44	7.48	0.00	30.55	8.44	7.48	0.00
28.00	8.44	7.48	0.00	30.60	8.44	7.48	0.00
28.05	8.44	7.48	0.00	30.65	8.44	7.48	0.00
28.10	8.44	7.48	0.00	30.70	8.44	7.48	0.00
28.15	8.44	7.48	0.00	30.75	8.44	7.48	0.00
28.20	8.44	7.48	0.00	30.80	8.44	7.48	0.00
28.25	8.44	7.48	0.00	30.85	8.44	7.48	0.00
28.30	8.44	7.48	0.00	30.90	8.44	7.48	0.00
28.35	8.44	7.48	0.00	30.95	8.44	7.48	0.00
28.40	8.44	7.48	0.00	31.00	8.44	7.48	0.00
28.45	8.44	7.48	0.00	31.05	8.44	7.48	0.00
28.50	8.44	7.48	0.00	31.10	8.44	7.48	0.00
28.55	8.44	7.48	0.00	31.15	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	7.48	0.00	33.80	8.44	7.48	0.00
31.25	8.44	7.48	0.00	33.85	8.44	7.48	0.00
31.30	8.44	7.48	0.00	33.90	8.44	7.48	0.00
31.35	8.44	7.48	0.00	33.95	8.44	7.48	0.00
31.40	8.44	7.48	0.00	34.00	8.44	7.48	0.00
31.45	8.44	7.48	0.00	34.05	8.44	7.48	0.00
31.50	8.44	7.48	0.00	34.10	8.44	7.48	0.00
31.55	8.44	7.48	0.00	34.15	8.44	7.48	0.00
31.60	8.44	7.48	0.00	34.20	8.44	7.48	0.00
31.65	8.44	7.48	0.00	34.25	8.44	7.48	0.00
31.70	8.44	7.48	0.00	34.30	8.44	7.48	0.00
31.75	8.44	7.48	0.00	34.35	8.44	7.48	0.00
31.80	8.44	7.48	0.00	34.40	8.44	7.48	0.00
31.85	8.44	7.48	0.00	34.45	8.44	7.48	0.00
31.90	8.44	7.48	0.00	34.50	8.44	7.48	0.00
31.95	8.44	7.48	0.00	34.55	8.44	7.48	0.00
32.00	8.44	7.48	0.00	34.60	8.44	7.48	0.00
32.05	8.44	7.48	0.00	34.65	8.44	7.48	0.00
32.10	8.44	7.48	0.00	34.70	8.44	7.48	0.00
32.15	8.44	7.48	0.00	34.75	8.44	7.48	0.00
32.20	8.44	7.48	0.00	34.80	8.44	7.48	0.00
32.25	8.44	7.48	0.00	34.85	8.44	7.48	0.00
32.30	8.44	7.48	0.00	34.90	8.44	7.48	0.00
32.35	8.44	7.48	0.00	34.95	8.44	7.48	0.00
32.40	8.44	7.48	0.00	35.00	8.44	7.48	0.00
32.45	8.44	7.48	0.00	35.05	8.44	7.48	0.00
32.50	8.44	7.48	0.00	35.10	8.44	7.48	0.00
32.55	8.44	7.48	0.00	35.15	8.44	7.48	0.00
32.60	8.44	7.48	0.00	35.20	8.44	7.48	0.00
32.65	8.44	7.48	0.00	35.25	8.44	7.48	0.00
32.70	8.44	7.48	0.00	35.30	8.44	7.48	0.00
32.75	8.44	7.48	0.00	35.35	8.44	7.48	0.00
32.80	8.44	7.48	0.00	35.40	8.44	7.48	0.00
32.85	8.44	7.48	0.00	35.45	8.44	7.48	0.00
32.90	8.44	7.48	0.00	35.50	8.44	7.48	0.00
32.95	8.44	7.48	0.00	35.55	8.44	7.48	0.00
33.00	8.44	7.48	0.00	35.60	8.44	7.48	0.00
33.05	8.44	7.48	0.00	35.65	8.44	7.48	0.00
33.10	8.44	7.48	0.00	35.70	8.44	7.48	0.00
33.15	8.44	7.48	0.00	35.75	8.44	7.48	0.00
33.20	8.44	7.48	0.00	35.80	8.44	7.48	0.00
33.25	8.44	7.48	0.00	35.85	8.44	7.48	0.00
33.30	8.44	7.48	0.00	35.90	8.44	7.48	0.00
33.35	8.44	7.48	0.00	35.95	8.44	7.48	0.00
33.40	8.44	7.48	0.00	36.00	8.44	7.48	0.00
33.45	8.44	7.48	0.00	36.05	8.44	7.48	0.00
33.50	8.44	7.48	0.00	36.10	8.44	7.48	0.00
33.55	8.44	7.48	0.00	36.15	8.44	7.48	0.00
33.60	8.44	7.48	0.00	36.20	8.44	7.48	0.00
33.65	8.44	7.48	0.00	36.25	8.44	7.48	0.00
33.70	8.44	7.48	0.00	36.30	8.44	7.48	0.00
33.75	8.44	7.48	0.00	36.35	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	7.48	0.00	39.00	8.44	7.48	0.00
36.45	8.44	7.48	0.00	39.05	8.44	7.48	0.00
36.50	8.44	7.48	0.00	39.10	8.44	7.48	0.00
36.55	8.44	7.48	0.00	39.15	8.44	7.48	0.00
36.60	8.44	7.48	0.00	39.20	8.44	7.48	0.00
36.65	8.44	7.48	0.00	39.25	8.44	7.48	0.00
36.70	8.44	7.48	0.00	39.30	8.44	7.48	0.00
36.75	8.44	7.48	0.00	39.35	8.44	7.48	0.00
36.80	8.44	7.48	0.00	39.40	8.44	7.48	0.00
36.85	8.44	7.48	0.00	39.45	8.44	7.48	0.00
36.90	8.44	7.48	0.00	39.50	8.44	7.48	0.00
36.95	8.44	7.48	0.00	39.55	8.44	7.48	0.00
37.00	8.44	7.48	0.00	39.60	8.44	7.48	0.00
37.05	8.44	7.48	0.00	39.65	8.44	7.48	0.00
37.10	8.44	7.48	0.00	39.70	8.44	7.48	0.00
37.15	8.44	7.48	0.00	39.75	8.44	7.48	0.00
37.20	8.44	7.48	0.00	39.80	8.44	7.48	0.00
37.25	8.44	7.48	0.00	39.85	8.44	7.48	0.00
37.30	8.44	7.48	0.00	39.90	8.44	7.48	0.00
37.35	8.44	7.48	0.00	39.95	8.44	7.48	0.00
37.40	8.44	7.48	0.00	40.00	8.44	7.48	0.00
37.45	8.44	7.48	0.00				
37.50	8.44	7.48	0.00				
37.55	8.44	7.48	0.00				
37.60	8.44	7.48	0.00				
37.65	8.44	7.48	0.00				
37.70	8.44	7.48	0.00				
37.75	8.44	7.48	0.00				
37.80	8.44	7.48	0.00				
37.85	8.44	7.48	0.00				
37.90	8.44	7.48	0.00				
37.95	8.44	7.48	0.00				
38.00	8.44	7.48	0.00				
38.05	8.44	7.48	0.00				
38.10	8.44	7.48	0.00				
38.15	8.44	7.48	0.00				
38.20	8.44	7.48	0.00				
38.25	8.44	7.48	0.00				
38.30	8.44	7.48	0.00				
38.35	8.44	7.48	0.00				
38.40	8.44	7.48	0.00				
38.45	8.44	7.48	0.00				
38.50	8.44	7.48	0.00				
38.55	8.44	7.48	0.00				
38.60	8.44	7.48	0.00				
38.65	8.44	7.48	0.00				
38.70	8.44	7.48	0.00				
38.75	8.44	7.48	0.00				
38.80	8.44	7.48	0.00				
38.85	8.44	7.48	0.00				
38.90	8.44	7.48	0.00				
38.95	8.44	7.48	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

Runoff = 312.41 cfs @ 12.16 hrs, Volume= 22.499 af, Depth= 4.37"

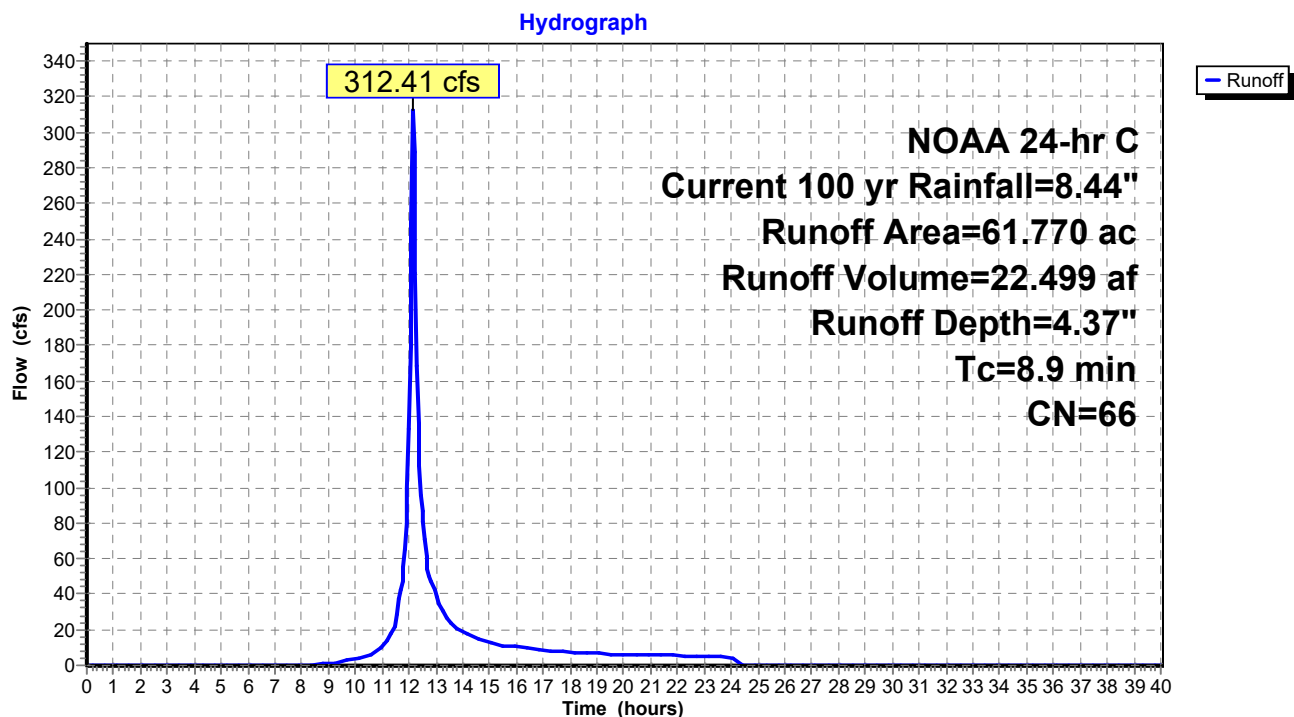
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.01
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.08
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.13
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.18
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.24
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.30
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.35
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.41
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.47
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.53
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.59
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.66
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.72
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.78
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.85
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.92
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.99
6.50	0.74	0.00	0.00	9.10	1.26	0.01	1.07
6.55	0.75	0.00	0.00	9.15	1.27	0.01	1.15
6.60	0.76	0.00	0.00	9.20	1.28	0.01	1.25
6.65	0.77	0.00	0.00	9.25	1.30	0.01	1.35
6.70	0.77	0.00	0.00	9.30	1.31	0.01	1.45
6.75	0.78	0.00	0.00	9.35	1.33	0.02	1.56
6.80	0.79	0.00	0.00	9.40	1.34	0.02	1.68
6.85	0.80	0.00	0.00	9.45	1.35	0.02	1.80
6.90	0.81	0.00	0.00	9.50	1.37	0.02	1.92
6.95	0.81	0.00	0.00	9.55	1.39	0.02	2.05
7.00	0.82	0.00	0.00	9.60	1.40	0.02	2.19
7.05	0.83	0.00	0.00	9.65	1.42	0.03	2.33
7.10	0.84	0.00	0.00	9.70	1.43	0.03	2.47
7.15	0.85	0.00	0.00	9.75	1.45	0.03	2.62
7.20	0.86	0.00	0.00	9.80	1.47	0.03	2.78
7.25	0.87	0.00	0.00	9.85	1.49	0.04	2.93
7.30	0.88	0.00	0.00	9.90	1.50	0.04	3.10
7.35	0.89	0.00	0.00	9.95	1.52	0.04	3.27
7.40	0.89	0.00	0.00	10.00	1.54	0.05	3.45
7.45	0.90	0.00	0.00	10.05	1.56	0.05	3.63
7.50	0.91	0.00	0.00	10.10	1.58	0.05	3.81
7.55	0.92	0.00	0.00	10.15	1.60	0.06	4.00
7.60	0.93	0.00	0.00	10.20	1.62	0.06	4.20
7.65	0.94	0.00	0.00	10.25	1.64	0.06	4.40
7.70	0.95	0.00	0.00	10.30	1.66	0.07	4.61
7.75	0.96	0.00	0.00	10.35	1.68	0.07	4.82

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.08	5.03	13.00	6.41	2.75	39.48
10.45	1.72	0.08	5.25	13.05	6.45	2.78	37.46
10.50	1.74	0.09	5.48	13.10	6.48	2.80	35.39
10.55	1.76	0.09	5.74	13.15	6.51	2.83	33.44
10.60	1.79	0.10	6.12	13.20	6.54	2.85	31.86
10.65	1.81	0.10	6.57	13.25	6.57	2.87	30.56
10.70	1.84	0.11	7.08	13.30	6.60	2.89	29.36
10.75	1.87	0.12	7.63	13.35	6.63	2.91	28.22
10.80	1.90	0.12	8.21	13.40	6.65	2.93	27.08
10.85	1.93	0.13	8.82	13.45	6.68	2.95	25.96
10.90	1.96	0.14	9.46	13.50	6.70	2.97	24.82
10.95	1.99	0.15	10.12	13.55	6.72	2.99	23.71
11.00	2.03	0.16	10.82	13.60	6.74	3.00	22.57
11.05	2.06	0.17	11.58	13.65	6.76	3.02	21.54
11.10	2.10	0.18	12.55	13.70	6.78	3.04	20.83
11.15	2.14	0.20	13.66	13.75	6.80	3.05	20.35
11.20	2.19	0.21	14.89	13.80	6.82	3.07	19.98
11.25	2.23	0.23	16.19	13.85	6.84	3.08	19.66
11.30	2.28	0.24	17.58	13.90	6.86	3.10	19.37
11.35	2.33	0.26	19.01	13.95	6.88	3.11	19.09
11.40	2.38	0.28	20.55	14.00	6.90	3.13	18.79
11.45	2.44	0.30	22.11	14.05	6.92	3.14	18.50
11.50	2.49	0.32	23.66	14.10	6.94	3.16	18.19
11.55	2.58	0.36	25.85	14.15	6.95	3.17	17.91
11.60	2.66	0.39	30.97	14.20	6.97	3.18	17.62
11.65	2.75	0.43	37.41	14.25	6.99	3.20	17.35
11.70	2.84	0.47	42.45	14.30	7.01	3.21	17.04
11.75	2.97	0.53	47.06	14.35	7.02	3.22	16.74
11.80	3.09	0.59	54.81	14.40	7.04	3.23	16.43
11.85	3.26	0.67	65.33	14.45	7.05	3.25	16.14
11.90	3.43	0.76	79.78	14.50	7.07	3.26	15.85
11.95	3.73	0.93	99.31	14.55	7.09	3.27	15.57
12.00	4.02	1.10	132.99	14.60	7.10	3.28	15.26
12.05	4.52	1.41	179.58	14.65	7.11	3.29	14.96
12.10	5.01	1.73	248.10	14.70	7.13	3.31	14.65
12.15	5.18	1.85	309.90	14.75	7.14	3.32	14.35
12.20	5.35	1.97	288.87	14.80	7.16	3.33	14.05
12.25	5.47	2.06	220.38	14.85	7.17	3.34	13.76
12.30	5.60	2.15	168.31	14.90	7.18	3.35	13.46
12.35	5.69	2.21	135.70	14.95	7.19	3.36	13.14
12.40	5.78	2.28	112.63	15.00	7.21	3.37	12.83
12.45	5.86	2.34	96.02	15.05	7.22	3.38	12.53
12.50	5.95	2.40	86.54	15.10	7.23	3.39	12.23
12.55	6.00	2.44	80.41	15.15	7.24	3.40	11.96
12.60	6.06	2.48	71.02	15.20	7.25	3.41	11.77
12.65	6.11	2.52	60.74	15.25	7.27	3.41	11.63
12.70	6.16	2.56	54.26	15.30	7.28	3.42	11.53
12.75	6.21	2.59	50.64	15.35	7.29	3.43	11.44
12.80	6.25	2.63	47.96	15.40	7.30	3.44	11.37
12.85	6.30	2.66	45.72	15.45	7.31	3.45	11.30
12.90	6.34	2.69	43.58	15.50	7.32	3.46	11.22
12.95	6.38	2.72	41.55	15.55	7.33	3.47	11.13

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.48	11.06	18.20	7.80	3.84	6.90
15.65	7.36	3.49	10.99	18.25	7.80	3.85	6.86
15.70	7.37	3.49	10.91	18.30	7.81	3.85	6.84
15.75	7.38	3.50	10.82	18.35	7.82	3.86	6.82
15.80	7.39	3.51	10.73	18.40	7.82	3.86	6.79
15.85	7.40	3.52	10.65	18.45	7.83	3.87	6.77
15.90	7.41	3.53	10.58	18.50	7.84	3.88	6.75
15.95	7.42	3.54	10.52	18.55	7.84	3.88	6.73
16.00	7.43	3.54	10.43	18.60	7.85	3.89	6.72
16.05	7.44	3.55	10.35	18.65	7.86	3.89	6.70
16.10	7.45	3.56	10.27	18.70	7.86	3.90	6.68
16.15	7.46	3.57	10.20	18.75	7.87	3.90	6.66
16.20	7.47	3.58	10.13	18.80	7.88	3.91	6.64
16.25	7.48	3.58	10.05	18.85	7.88	3.91	6.62
16.30	7.49	3.59	9.96	18.90	7.89	3.92	6.60
16.35	7.50	3.60	9.87	18.95	7.90	3.92	6.58
16.40	7.51	3.61	9.79	19.00	7.90	3.93	6.56
16.45	7.52	3.62	9.72	19.05	7.91	3.93	6.54
16.50	7.53	3.62	9.63	19.10	7.92	3.94	6.52
16.55	7.54	3.63	9.54	19.15	7.92	3.94	6.50
16.60	7.55	3.64	9.47	19.20	7.93	3.95	6.48
16.65	7.55	3.65	9.40	19.25	7.93	3.95	6.46
16.70	7.56	3.65	9.32	19.30	7.94	3.96	6.44
16.75	7.57	3.66	9.24	19.35	7.95	3.96	6.42
16.80	7.58	3.67	9.15	19.40	7.95	3.97	6.40
16.85	7.59	3.67	9.06	19.45	7.96	3.97	6.38
16.90	7.60	3.68	8.98	19.50	7.97	3.98	6.36
16.95	7.61	3.69	8.91	19.55	7.97	3.98	6.34
17.00	7.62	3.70	8.84	19.60	7.98	3.99	6.32
17.05	7.63	3.70	8.76	19.65	7.98	3.99	6.30
17.10	7.63	3.71	8.68	19.70	7.99	4.00	6.28
17.15	7.64	3.72	8.59	19.75	8.00	4.00	6.26
17.20	7.65	3.72	8.51	19.80	8.00	4.01	6.25
17.25	7.66	3.73	8.43	19.85	8.01	4.01	6.24
17.30	7.67	3.74	8.34	19.90	8.01	4.02	6.22
17.35	7.67	3.74	8.24	19.95	8.02	4.02	6.19
17.40	7.68	3.75	8.16	20.00	8.03	4.03	6.16
17.45	7.69	3.76	8.09	20.05	8.03	4.03	6.14
17.50	7.70	3.76	8.01	20.10	8.04	4.04	6.12
17.55	7.71	3.77	7.94	20.15	8.04	4.04	6.10
17.60	7.71	3.77	7.85	20.20	8.05	4.05	6.08
17.65	7.72	3.78	7.77	20.25	8.06	4.05	6.06
17.70	7.73	3.79	7.69	20.30	8.06	4.06	6.04
17.75	7.74	3.79	7.61	20.35	8.07	4.06	6.01
17.80	7.74	3.80	7.52	20.40	8.07	4.07	5.99
17.85	7.75	3.80	7.44	20.45	8.08	4.07	5.97
17.90	7.76	3.81	7.36	20.50	8.09	4.08	5.95
17.95	7.76	3.82	7.27	20.55	8.09	4.08	5.94
18.00	7.77	3.82	7.19	20.60	8.10	4.09	5.93
18.05	7.78	3.83	7.11	20.65	8.10	4.09	5.92
18.10	7.78	3.83	7.02	20.70	8.11	4.10	5.90
18.15	7.79	3.84	6.95	20.75	8.11	4.10	5.86

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.11	5.84	23.40	8.38	4.33	4.76
20.85	8.13	4.11	5.81	23.45	8.39	4.33	4.76
20.90	8.13	4.12	5.79	23.50	8.39	4.33	4.73
20.95	8.14	4.12	5.77	23.55	8.40	4.34	4.70
21.00	8.14	4.12	5.75	23.60	8.40	4.34	4.67
21.05	8.15	4.13	5.73	23.65	8.41	4.34	4.65
21.10	8.15	4.13	5.71	23.70	8.41	4.35	4.64
21.15	8.16	4.14	5.69	23.75	8.42	4.35	4.63
21.20	8.16	4.14	5.67	23.80	8.42	4.35	4.60
21.25	8.17	4.15	5.65	23.85	8.42	4.36	4.57
21.30	8.18	4.15	5.64	23.90	8.43	4.36	4.55
21.35	8.18	4.16	5.63	23.95	8.43	4.37	4.58
21.40	8.19	4.16	5.61	24.00	8.44	4.37	4.85
21.45	8.19	4.16	5.58	24.05	8.44	4.37	4.93
21.50	8.20	4.17	5.55	24.10	8.44	4.37	3.69
21.55	8.20	4.17	5.53	24.15	8.44	4.37	1.89
21.60	8.21	4.18	5.50	24.20	8.44	4.37	0.82
21.65	8.21	4.18	5.48	24.25	8.44	4.37	0.36
21.70	8.22	4.19	5.46	24.30	8.44	4.37	0.15
21.75	8.22	4.19	5.44	24.35	8.44	4.37	0.06
21.80	8.23	4.20	5.43	24.40	8.44	4.37	0.02
21.85	8.23	4.20	5.42	24.45	8.44	4.37	0.01
21.90	8.24	4.20	5.40	24.50	8.44	4.37	0.00
21.95	8.24	4.21	5.37	24.55	8.44	4.37	0.00
22.00	8.25	4.21	5.34	24.60	8.44	4.37	0.00
22.05	8.25	4.22	5.32	24.65	8.44	4.37	0.00
22.10	8.26	4.22	5.30	24.70	8.44	4.37	0.00
22.15	8.26	4.23	5.28	24.75	8.44	4.37	0.00
22.20	8.27	4.23	5.27	24.80	8.44	4.37	0.00
22.25	8.27	4.23	5.26	24.85	8.44	4.37	0.00
22.30	8.28	4.24	5.24	24.90	8.44	4.37	0.00
22.35	8.28	4.24	5.20	24.95	8.44	4.37	0.00
22.40	8.29	4.25	5.18	25.00	8.44	4.37	0.00
22.45	8.29	4.25	5.15	25.05	8.44	4.37	0.00
22.50	8.30	4.25	5.13	25.10	8.44	4.37	0.00
22.55	8.30	4.26	5.11	25.15	8.44	4.37	0.00
22.60	8.31	4.26	5.10	25.20	8.44	4.37	0.00
22.65	8.31	4.27	5.09	25.25	8.44	4.37	0.00
22.70	8.32	4.27	5.07	25.30	8.44	4.37	0.00
22.75	8.32	4.27	5.04	25.35	8.44	4.37	0.00
22.80	8.33	4.28	5.01	25.40	8.44	4.37	0.00
22.85	8.33	4.28	4.98	25.45	8.44	4.37	0.00
22.90	8.34	4.29	4.96	25.50	8.44	4.37	0.00
22.95	8.34	4.29	4.94	25.55	8.44	4.37	0.00
23.00	8.35	4.29	4.93	25.60	8.44	4.37	0.00
23.05	8.35	4.30	4.92	25.65	8.44	4.37	0.00
23.10	8.36	4.30	4.90	25.70	8.44	4.37	0.00
23.15	8.36	4.31	4.87	25.75	8.44	4.37	0.00
23.20	8.37	4.31	4.84	25.80	8.44	4.37	0.00
23.25	8.37	4.31	4.82	25.85	8.44	4.37	0.00
23.30	8.38	4.32	4.79	25.90	8.44	4.37	0.00
23.35	8.38	4.32	4.77	25.95	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.37	0.00	28.60	8.44	4.37	0.00
26.05	8.44	4.37	0.00	28.65	8.44	4.37	0.00
26.10	8.44	4.37	0.00	28.70	8.44	4.37	0.00
26.15	8.44	4.37	0.00	28.75	8.44	4.37	0.00
26.20	8.44	4.37	0.00	28.80	8.44	4.37	0.00
26.25	8.44	4.37	0.00	28.85	8.44	4.37	0.00
26.30	8.44	4.37	0.00	28.90	8.44	4.37	0.00
26.35	8.44	4.37	0.00	28.95	8.44	4.37	0.00
26.40	8.44	4.37	0.00	29.00	8.44	4.37	0.00
26.45	8.44	4.37	0.00	29.05	8.44	4.37	0.00
26.50	8.44	4.37	0.00	29.10	8.44	4.37	0.00
26.55	8.44	4.37	0.00	29.15	8.44	4.37	0.00
26.60	8.44	4.37	0.00	29.20	8.44	4.37	0.00
26.65	8.44	4.37	0.00	29.25	8.44	4.37	0.00
26.70	8.44	4.37	0.00	29.30	8.44	4.37	0.00
26.75	8.44	4.37	0.00	29.35	8.44	4.37	0.00
26.80	8.44	4.37	0.00	29.40	8.44	4.37	0.00
26.85	8.44	4.37	0.00	29.45	8.44	4.37	0.00
26.90	8.44	4.37	0.00	29.50	8.44	4.37	0.00
26.95	8.44	4.37	0.00	29.55	8.44	4.37	0.00
27.00	8.44	4.37	0.00	29.60	8.44	4.37	0.00
27.05	8.44	4.37	0.00	29.65	8.44	4.37	0.00
27.10	8.44	4.37	0.00	29.70	8.44	4.37	0.00
27.15	8.44	4.37	0.00	29.75	8.44	4.37	0.00
27.20	8.44	4.37	0.00	29.80	8.44	4.37	0.00
27.25	8.44	4.37	0.00	29.85	8.44	4.37	0.00
27.30	8.44	4.37	0.00	29.90	8.44	4.37	0.00
27.35	8.44	4.37	0.00	29.95	8.44	4.37	0.00
27.40	8.44	4.37	0.00	30.00	8.44	4.37	0.00
27.45	8.44	4.37	0.00	30.05	8.44	4.37	0.00
27.50	8.44	4.37	0.00	30.10	8.44	4.37	0.00
27.55	8.44	4.37	0.00	30.15	8.44	4.37	0.00
27.60	8.44	4.37	0.00	30.20	8.44	4.37	0.00
27.65	8.44	4.37	0.00	30.25	8.44	4.37	0.00
27.70	8.44	4.37	0.00	30.30	8.44	4.37	0.00
27.75	8.44	4.37	0.00	30.35	8.44	4.37	0.00
27.80	8.44	4.37	0.00	30.40	8.44	4.37	0.00
27.85	8.44	4.37	0.00	30.45	8.44	4.37	0.00
27.90	8.44	4.37	0.00	30.50	8.44	4.37	0.00
27.95	8.44	4.37	0.00	30.55	8.44	4.37	0.00
28.00	8.44	4.37	0.00	30.60	8.44	4.37	0.00
28.05	8.44	4.37	0.00	30.65	8.44	4.37	0.00
28.10	8.44	4.37	0.00	30.70	8.44	4.37	0.00
28.15	8.44	4.37	0.00	30.75	8.44	4.37	0.00
28.20	8.44	4.37	0.00	30.80	8.44	4.37	0.00
28.25	8.44	4.37	0.00	30.85	8.44	4.37	0.00
28.30	8.44	4.37	0.00	30.90	8.44	4.37	0.00
28.35	8.44	4.37	0.00	30.95	8.44	4.37	0.00
28.40	8.44	4.37	0.00	31.00	8.44	4.37	0.00
28.45	8.44	4.37	0.00	31.05	8.44	4.37	0.00
28.50	8.44	4.37	0.00	31.10	8.44	4.37	0.00
28.55	8.44	4.37	0.00	31.15	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.37	0.00	33.80	8.44	4.37	0.00
31.25	8.44	4.37	0.00	33.85	8.44	4.37	0.00
31.30	8.44	4.37	0.00	33.90	8.44	4.37	0.00
31.35	8.44	4.37	0.00	33.95	8.44	4.37	0.00
31.40	8.44	4.37	0.00	34.00	8.44	4.37	0.00
31.45	8.44	4.37	0.00	34.05	8.44	4.37	0.00
31.50	8.44	4.37	0.00	34.10	8.44	4.37	0.00
31.55	8.44	4.37	0.00	34.15	8.44	4.37	0.00
31.60	8.44	4.37	0.00	34.20	8.44	4.37	0.00
31.65	8.44	4.37	0.00	34.25	8.44	4.37	0.00
31.70	8.44	4.37	0.00	34.30	8.44	4.37	0.00
31.75	8.44	4.37	0.00	34.35	8.44	4.37	0.00
31.80	8.44	4.37	0.00	34.40	8.44	4.37	0.00
31.85	8.44	4.37	0.00	34.45	8.44	4.37	0.00
31.90	8.44	4.37	0.00	34.50	8.44	4.37	0.00
31.95	8.44	4.37	0.00	34.55	8.44	4.37	0.00
32.00	8.44	4.37	0.00	34.60	8.44	4.37	0.00
32.05	8.44	4.37	0.00	34.65	8.44	4.37	0.00
32.10	8.44	4.37	0.00	34.70	8.44	4.37	0.00
32.15	8.44	4.37	0.00	34.75	8.44	4.37	0.00
32.20	8.44	4.37	0.00	34.80	8.44	4.37	0.00
32.25	8.44	4.37	0.00	34.85	8.44	4.37	0.00
32.30	8.44	4.37	0.00	34.90	8.44	4.37	0.00
32.35	8.44	4.37	0.00	34.95	8.44	4.37	0.00
32.40	8.44	4.37	0.00	35.00	8.44	4.37	0.00
32.45	8.44	4.37	0.00	35.05	8.44	4.37	0.00
32.50	8.44	4.37	0.00	35.10	8.44	4.37	0.00
32.55	8.44	4.37	0.00	35.15	8.44	4.37	0.00
32.60	8.44	4.37	0.00	35.20	8.44	4.37	0.00
32.65	8.44	4.37	0.00	35.25	8.44	4.37	0.00
32.70	8.44	4.37	0.00	35.30	8.44	4.37	0.00
32.75	8.44	4.37	0.00	35.35	8.44	4.37	0.00
32.80	8.44	4.37	0.00	35.40	8.44	4.37	0.00
32.85	8.44	4.37	0.00	35.45	8.44	4.37	0.00
32.90	8.44	4.37	0.00	35.50	8.44	4.37	0.00
32.95	8.44	4.37	0.00	35.55	8.44	4.37	0.00
33.00	8.44	4.37	0.00	35.60	8.44	4.37	0.00
33.05	8.44	4.37	0.00	35.65	8.44	4.37	0.00
33.10	8.44	4.37	0.00	35.70	8.44	4.37	0.00
33.15	8.44	4.37	0.00	35.75	8.44	4.37	0.00
33.20	8.44	4.37	0.00	35.80	8.44	4.37	0.00
33.25	8.44	4.37	0.00	35.85	8.44	4.37	0.00
33.30	8.44	4.37	0.00	35.90	8.44	4.37	0.00
33.35	8.44	4.37	0.00	35.95	8.44	4.37	0.00
33.40	8.44	4.37	0.00	36.00	8.44	4.37	0.00
33.45	8.44	4.37	0.00	36.05	8.44	4.37	0.00
33.50	8.44	4.37	0.00	36.10	8.44	4.37	0.00
33.55	8.44	4.37	0.00	36.15	8.44	4.37	0.00
33.60	8.44	4.37	0.00	36.20	8.44	4.37	0.00
33.65	8.44	4.37	0.00	36.25	8.44	4.37	0.00
33.70	8.44	4.37	0.00	36.30	8.44	4.37	0.00
33.75	8.44	4.37	0.00	36.35	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.37	0.00	39.00	8.44	4.37	0.00
36.45	8.44	4.37	0.00	39.05	8.44	4.37	0.00
36.50	8.44	4.37	0.00	39.10	8.44	4.37	0.00
36.55	8.44	4.37	0.00	39.15	8.44	4.37	0.00
36.60	8.44	4.37	0.00	39.20	8.44	4.37	0.00
36.65	8.44	4.37	0.00	39.25	8.44	4.37	0.00
36.70	8.44	4.37	0.00	39.30	8.44	4.37	0.00
36.75	8.44	4.37	0.00	39.35	8.44	4.37	0.00
36.80	8.44	4.37	0.00	39.40	8.44	4.37	0.00
36.85	8.44	4.37	0.00	39.45	8.44	4.37	0.00
36.90	8.44	4.37	0.00	39.50	8.44	4.37	0.00
36.95	8.44	4.37	0.00	39.55	8.44	4.37	0.00
37.00	8.44	4.37	0.00	39.60	8.44	4.37	0.00
37.05	8.44	4.37	0.00	39.65	8.44	4.37	0.00
37.10	8.44	4.37	0.00	39.70	8.44	4.37	0.00
37.15	8.44	4.37	0.00	39.75	8.44	4.37	0.00
37.20	8.44	4.37	0.00	39.80	8.44	4.37	0.00
37.25	8.44	4.37	0.00	39.85	8.44	4.37	0.00
37.30	8.44	4.37	0.00	39.90	8.44	4.37	0.00
37.35	8.44	4.37	0.00	39.95	8.44	4.37	0.00
37.40	8.44	4.37	0.00	40.00	8.44	4.37	0.00
37.45	8.44	4.37	0.00				
37.50	8.44	4.37	0.00				
37.55	8.44	4.37	0.00				
37.60	8.44	4.37	0.00				
37.65	8.44	4.37	0.00				
37.70	8.44	4.37	0.00				
37.75	8.44	4.37	0.00				
37.80	8.44	4.37	0.00				
37.85	8.44	4.37	0.00				
37.90	8.44	4.37	0.00				
37.95	8.44	4.37	0.00				
38.00	8.44	4.37	0.00				
38.05	8.44	4.37	0.00				
38.10	8.44	4.37	0.00				
38.15	8.44	4.37	0.00				
38.20	8.44	4.37	0.00				
38.25	8.44	4.37	0.00				
38.30	8.44	4.37	0.00				
38.35	8.44	4.37	0.00				
38.40	8.44	4.37	0.00				
38.45	8.44	4.37	0.00				
38.50	8.44	4.37	0.00				
38.55	8.44	4.37	0.00				
38.60	8.44	4.37	0.00				
38.65	8.44	4.37	0.00				
38.70	8.44	4.37	0.00				
38.75	8.44	4.37	0.00				
38.80	8.44	4.37	0.00				
38.85	8.44	4.37	0.00				
38.90	8.44	4.37	0.00				
38.95	8.44	4.37	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 129.27 cfs @ 12.16 hrs, Volume= 9.313 af, Depth= 4.49"
Routed to Link XDA-10 : XDA-10

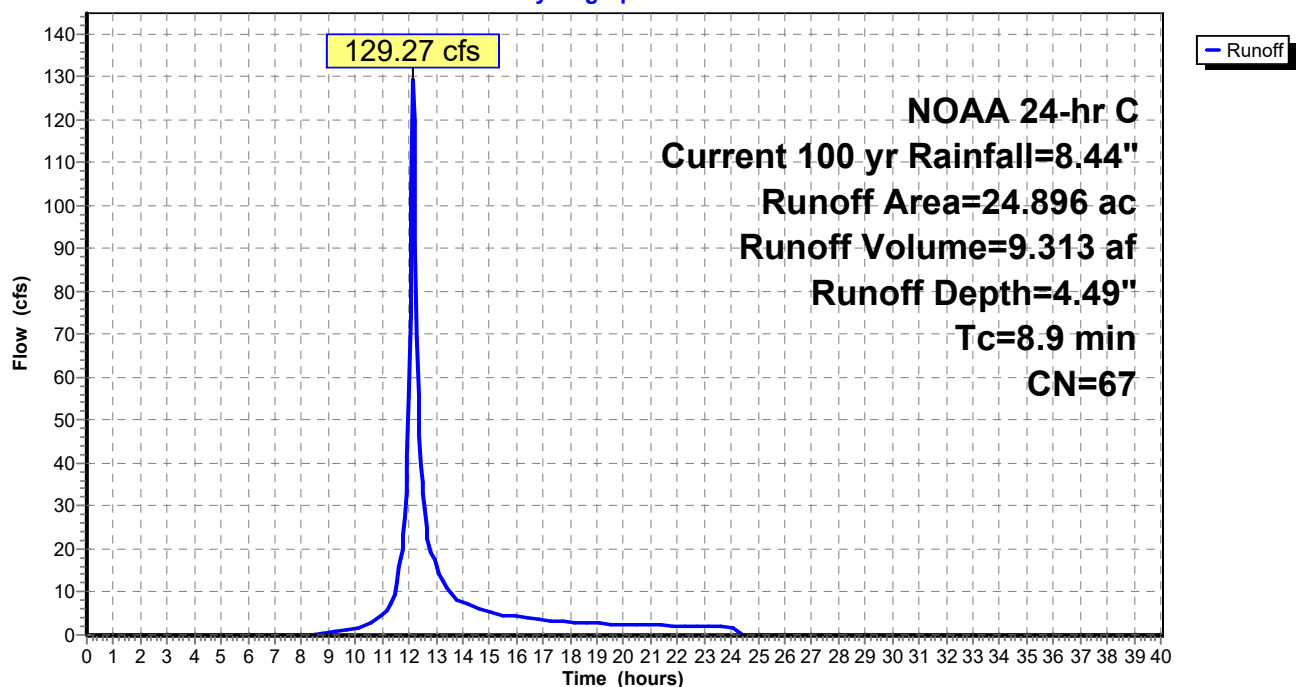
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.01
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.06
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.08
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.10
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.13
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.15
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.17
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.20
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.22
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.24
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.27
6.05	0.68	0.00	0.00	8.65	1.15	0.01	0.29
6.10	0.68	0.00	0.00	8.70	1.16	0.01	0.32
6.15	0.69	0.00	0.00	8.75	1.17	0.01	0.35
6.20	0.70	0.00	0.00	8.80	1.19	0.01	0.37
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.40
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.43
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.45
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.48
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.51
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.55
6.55	0.75	0.00	0.00	9.15	1.27	0.02	0.58
6.60	0.76	0.00	0.00	9.20	1.28	0.02	0.62
6.65	0.77	0.00	0.00	9.25	1.30	0.02	0.67
6.70	0.77	0.00	0.00	9.30	1.31	0.02	0.71
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.76
6.80	0.79	0.00	0.00	9.40	1.34	0.02	0.81
6.85	0.80	0.00	0.00	9.45	1.35	0.03	0.86
6.90	0.81	0.00	0.00	9.50	1.37	0.03	0.92
6.95	0.81	0.00	0.00	9.55	1.39	0.03	0.97
7.00	0.82	0.00	0.00	9.60	1.40	0.03	1.03
7.05	0.83	0.00	0.00	9.65	1.42	0.03	1.09
7.10	0.84	0.00	0.00	9.70	1.43	0.04	1.15
7.15	0.85	0.00	0.00	9.75	1.45	0.04	1.22
7.20	0.86	0.00	0.00	9.80	1.47	0.04	1.28
7.25	0.87	0.00	0.00	9.85	1.49	0.05	1.35
7.30	0.88	0.00	0.00	9.90	1.50	0.05	1.42
7.35	0.89	0.00	0.00	9.95	1.52	0.05	1.49
7.40	0.89	0.00	0.00	10.00	1.54	0.06	1.57
7.45	0.90	0.00	0.00	10.05	1.56	0.06	1.64
7.50	0.91	0.00	0.00	10.10	1.58	0.06	1.72
7.55	0.92	0.00	0.00	10.15	1.60	0.07	1.80
7.60	0.93	0.00	0.00	10.20	1.62	0.07	1.89
7.65	0.94	0.00	0.00	10.25	1.64	0.08	1.97
7.70	0.95	0.00	0.00	10.30	1.66	0.08	2.06
7.75	0.96	0.00	0.00	10.35	1.68	0.09	2.15

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.09	2.24	13.00	6.41	2.85	16.19
10.45	1.72	0.09	2.33	13.05	6.45	2.87	15.36
10.50	1.74	0.10	2.42	13.10	6.48	2.90	14.50
10.55	1.76	0.11	2.53	13.15	6.51	2.92	13.71
10.60	1.79	0.11	2.69	13.20	6.54	2.95	13.06
10.65	1.81	0.12	2.89	13.25	6.57	2.97	12.52
10.70	1.84	0.13	3.11	13.30	6.60	2.99	12.03
10.75	1.87	0.13	3.34	13.35	6.63	3.01	11.56
10.80	1.90	0.14	3.58	13.40	6.65	3.03	11.09
10.85	1.93	0.15	3.84	13.45	6.68	3.05	10.63
10.90	1.96	0.16	4.11	13.50	6.70	3.07	10.17
10.95	1.99	0.17	4.39	13.55	6.72	3.09	9.71
11.00	2.03	0.18	4.69	13.60	6.74	3.10	9.24
11.05	2.06	0.19	5.01	13.65	6.76	3.12	8.82
11.10	2.10	0.21	5.42	13.70	6.78	3.14	8.53
11.15	2.14	0.22	5.88	13.75	6.80	3.15	8.33
11.20	2.19	0.24	6.41	13.80	6.82	3.17	8.18
11.25	2.23	0.25	6.95	13.85	6.84	3.18	8.05
11.30	2.28	0.27	7.53	13.90	6.86	3.20	7.93
11.35	2.33	0.29	8.14	13.95	6.88	3.21	7.81
11.40	2.38	0.31	8.78	14.00	6.90	3.23	7.69
11.45	2.44	0.33	9.43	14.05	6.92	3.24	7.57
11.50	2.49	0.35	10.07	14.10	6.94	3.26	7.45
11.55	2.58	0.39	10.99	14.15	6.95	3.27	7.33
11.60	2.66	0.43	13.14	14.20	6.97	3.29	7.21
11.65	2.75	0.47	15.84	14.25	6.99	3.30	7.10
11.70	2.84	0.51	17.95	14.30	7.01	3.31	6.97
11.75	2.97	0.57	19.86	14.35	7.02	3.32	6.85
11.80	3.09	0.63	23.08	14.40	7.04	3.34	6.72
11.85	3.26	0.72	27.46	14.45	7.05	3.35	6.60
11.90	3.43	0.81	33.46	14.50	7.07	3.36	6.48
11.95	3.73	0.98	41.56	14.55	7.09	3.37	6.37
12.00	4.02	1.16	55.51	14.60	7.10	3.39	6.24
12.05	4.52	1.47	74.76	14.65	7.11	3.40	6.12
12.10	5.01	1.81	102.97	14.70	7.13	3.41	5.99
12.15	5.18	1.93	128.29	14.75	7.14	3.42	5.87
12.20	5.35	2.05	119.38	14.80	7.16	3.43	5.75
12.25	5.47	2.14	90.95	14.85	7.17	3.44	5.63
12.30	5.60	2.23	69.38	14.90	7.18	3.45	5.50
12.35	5.69	2.30	55.88	14.95	7.19	3.46	5.38
12.40	5.78	2.36	46.34	15.00	7.21	3.47	5.25
12.45	5.86	2.43	39.48	15.05	7.22	3.48	5.12
12.50	5.95	2.49	35.56	15.10	7.23	3.49	5.00
12.55	6.00	2.53	33.03	15.15	7.24	3.50	4.89
12.60	6.06	2.57	29.16	15.20	7.25	3.51	4.81
12.65	6.11	2.61	24.93	15.25	7.27	3.52	4.76
12.70	6.16	2.65	22.27	15.30	7.28	3.53	4.71
12.75	6.21	2.69	20.78	15.35	7.29	3.54	4.68
12.80	6.25	2.72	19.68	15.40	7.30	3.55	4.65
12.85	6.30	2.76	18.76	15.45	7.31	3.56	4.62
12.90	6.34	2.79	17.87	15.50	7.32	3.57	4.59
12.95	6.38	2.82	17.04	15.55	7.33	3.57	4.55

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.58	4.52	18.20	7.80	3.95	2.82
15.65	7.36	3.59	4.49	18.25	7.80	3.96	2.80
15.70	7.37	3.60	4.46	18.30	7.81	3.97	2.79
15.75	7.38	3.61	4.42	18.35	7.82	3.97	2.78
15.80	7.39	3.62	4.39	18.40	7.82	3.98	2.77
15.85	7.40	3.63	4.35	18.45	7.83	3.98	2.77
15.90	7.41	3.64	4.32	18.50	7.84	3.99	2.76
15.95	7.42	3.64	4.30	18.55	7.84	3.99	2.75
16.00	7.43	3.65	4.26	18.60	7.85	4.00	2.74
16.05	7.44	3.66	4.23	18.65	7.86	4.00	2.73
16.10	7.45	3.67	4.20	18.70	7.86	4.01	2.73
16.15	7.46	3.68	4.17	18.75	7.87	4.01	2.72
16.20	7.47	3.68	4.14	18.80	7.88	4.02	2.71
16.25	7.48	3.69	4.11	18.85	7.88	4.03	2.70
16.30	7.49	3.70	4.07	18.90	7.89	4.03	2.69
16.35	7.50	3.71	4.03	18.95	7.90	4.04	2.69
16.40	7.51	3.72	4.00	19.00	7.90	4.04	2.68
16.45	7.52	3.72	3.97	19.05	7.91	4.05	2.67
16.50	7.53	3.73	3.94	19.10	7.92	4.05	2.66
16.55	7.54	3.74	3.90	19.15	7.92	4.06	2.65
16.60	7.55	3.75	3.87	19.20	7.93	4.06	2.64
16.65	7.55	3.75	3.84	19.25	7.93	4.07	2.64
16.70	7.56	3.76	3.81	19.30	7.94	4.07	2.63
16.75	7.57	3.77	3.78	19.35	7.95	4.08	2.62
16.80	7.58	3.78	3.74	19.40	7.95	4.08	2.61
16.85	7.59	3.78	3.70	19.45	7.96	4.09	2.60
16.90	7.60	3.79	3.67	19.50	7.97	4.09	2.60
16.95	7.61	3.80	3.64	19.55	7.97	4.10	2.59
17.00	7.62	3.81	3.61	19.60	7.98	4.10	2.58
17.05	7.63	3.81	3.58	19.65	7.98	4.11	2.57
17.10	7.63	3.82	3.54	19.70	7.99	4.11	2.56
17.15	7.64	3.83	3.51	19.75	8.00	4.12	2.56
17.20	7.65	3.83	3.48	19.80	8.00	4.12	2.55
17.25	7.66	3.84	3.44	19.85	8.01	4.13	2.55
17.30	7.67	3.85	3.41	19.90	8.01	4.13	2.54
17.35	7.67	3.85	3.37	19.95	8.02	4.14	2.53
17.40	7.68	3.86	3.33	20.00	8.03	4.14	2.52
17.45	7.69	3.87	3.31	20.05	8.03	4.15	2.51
17.50	7.70	3.87	3.27	20.10	8.04	4.15	2.50
17.55	7.71	3.88	3.24	20.15	8.04	4.16	2.49
17.60	7.71	3.88	3.21	20.20	8.05	4.16	2.48
17.65	7.72	3.89	3.17	20.25	8.06	4.17	2.47
17.70	7.73	3.90	3.14	20.30	8.06	4.17	2.46
17.75	7.74	3.90	3.11	20.35	8.07	4.18	2.45
17.80	7.74	3.91	3.07	20.40	8.07	4.18	2.45
17.85	7.75	3.91	3.04	20.45	8.08	4.19	2.44
17.90	7.76	3.92	3.00	20.50	8.09	4.19	2.43
17.95	7.76	3.93	2.97	20.55	8.09	4.20	2.42
18.00	7.77	3.93	2.94	20.60	8.10	4.20	2.42
18.05	7.78	3.94	2.90	20.65	8.10	4.21	2.42
18.10	7.78	3.94	2.87	20.70	8.11	4.21	2.41
18.15	7.79	3.95	2.84	20.75	8.11	4.22	2.39

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.22	2.38	23.40	8.38	4.44	1.94
20.85	8.13	4.23	2.37	23.45	8.39	4.45	1.94
20.90	8.13	4.23	2.36	23.50	8.39	4.45	1.93
20.95	8.14	4.23	2.35	23.55	8.40	4.45	1.92
21.00	8.14	4.24	2.35	23.60	8.40	4.46	1.91
21.05	8.15	4.24	2.34	23.65	8.41	4.46	1.90
21.10	8.15	4.25	2.33	23.70	8.41	4.47	1.89
21.15	8.16	4.25	2.32	23.75	8.42	4.47	1.89
21.20	8.16	4.26	2.31	23.80	8.42	4.47	1.88
21.25	8.17	4.26	2.31	23.85	8.42	4.48	1.86
21.30	8.18	4.27	2.30	23.90	8.43	4.48	1.85
21.35	8.18	4.27	2.30	23.95	8.43	4.48	1.87
21.40	8.19	4.28	2.29	24.00	8.44	4.49	1.98
21.45	8.19	4.28	2.28	24.05	8.44	4.49	2.01
21.50	8.20	4.29	2.26	24.10	8.44	4.49	1.50
21.55	8.20	4.29	2.25	24.15	8.44	4.49	0.77
21.60	8.21	4.29	2.25	24.20	8.44	4.49	0.34
21.65	8.21	4.30	2.24	24.25	8.44	4.49	0.15
21.70	8.22	4.30	2.23	24.30	8.44	4.49	0.06
21.75	8.22	4.31	2.22	24.35	8.44	4.49	0.03
21.80	8.23	4.31	2.22	24.40	8.44	4.49	0.01
21.85	8.23	4.32	2.21	24.45	8.44	4.49	0.00
21.90	8.24	4.32	2.20	24.50	8.44	4.49	0.00
21.95	8.24	4.32	2.19	24.55	8.44	4.49	0.00
22.00	8.25	4.33	2.18	24.60	8.44	4.49	0.00
22.05	8.25	4.33	2.17	24.65	8.44	4.49	0.00
22.10	8.26	4.34	2.16	24.70	8.44	4.49	0.00
22.15	8.26	4.34	2.15	24.75	8.44	4.49	0.00
22.20	8.27	4.35	2.15	24.80	8.44	4.49	0.00
22.25	8.27	4.35	2.15	24.85	8.44	4.49	0.00
22.30	8.28	4.35	2.14	24.90	8.44	4.49	0.00
22.35	8.28	4.36	2.12	24.95	8.44	4.49	0.00
22.40	8.29	4.36	2.11	25.00	8.44	4.49	0.00
22.45	8.29	4.37	2.10	25.05	8.44	4.49	0.00
22.50	8.30	4.37	2.09	25.10	8.44	4.49	0.00
22.55	8.30	4.38	2.08	25.15	8.44	4.49	0.00
22.60	8.31	4.38	2.08	25.20	8.44	4.49	0.00
22.65	8.31	4.38	2.08	25.25	8.44	4.49	0.00
22.70	8.32	4.39	2.07	25.30	8.44	4.49	0.00
22.75	8.32	4.39	2.05	25.35	8.44	4.49	0.00
22.80	8.33	4.40	2.04	25.40	8.44	4.49	0.00
22.85	8.33	4.40	2.03	25.45	8.44	4.49	0.00
22.90	8.34	4.40	2.02	25.50	8.44	4.49	0.00
22.95	8.34	4.41	2.02	25.55	8.44	4.49	0.00
23.00	8.35	4.41	2.01	25.60	8.44	4.49	0.00
23.05	8.35	4.42	2.01	25.65	8.44	4.49	0.00
23.10	8.36	4.42	2.00	25.70	8.44	4.49	0.00
23.15	8.36	4.42	1.99	25.75	8.44	4.49	0.00
23.20	8.37	4.43	1.97	25.80	8.44	4.49	0.00
23.25	8.37	4.43	1.96	25.85	8.44	4.49	0.00
23.30	8.38	4.43	1.96	25.90	8.44	4.49	0.00
23.35	8.38	4.44	1.95	25.95	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.49	0.00	28.60	8.44	4.49	0.00
26.05	8.44	4.49	0.00	28.65	8.44	4.49	0.00
26.10	8.44	4.49	0.00	28.70	8.44	4.49	0.00
26.15	8.44	4.49	0.00	28.75	8.44	4.49	0.00
26.20	8.44	4.49	0.00	28.80	8.44	4.49	0.00
26.25	8.44	4.49	0.00	28.85	8.44	4.49	0.00
26.30	8.44	4.49	0.00	28.90	8.44	4.49	0.00
26.35	8.44	4.49	0.00	28.95	8.44	4.49	0.00
26.40	8.44	4.49	0.00	29.00	8.44	4.49	0.00
26.45	8.44	4.49	0.00	29.05	8.44	4.49	0.00
26.50	8.44	4.49	0.00	29.10	8.44	4.49	0.00
26.55	8.44	4.49	0.00	29.15	8.44	4.49	0.00
26.60	8.44	4.49	0.00	29.20	8.44	4.49	0.00
26.65	8.44	4.49	0.00	29.25	8.44	4.49	0.00
26.70	8.44	4.49	0.00	29.30	8.44	4.49	0.00
26.75	8.44	4.49	0.00	29.35	8.44	4.49	0.00
26.80	8.44	4.49	0.00	29.40	8.44	4.49	0.00
26.85	8.44	4.49	0.00	29.45	8.44	4.49	0.00
26.90	8.44	4.49	0.00	29.50	8.44	4.49	0.00
26.95	8.44	4.49	0.00	29.55	8.44	4.49	0.00
27.00	8.44	4.49	0.00	29.60	8.44	4.49	0.00
27.05	8.44	4.49	0.00	29.65	8.44	4.49	0.00
27.10	8.44	4.49	0.00	29.70	8.44	4.49	0.00
27.15	8.44	4.49	0.00	29.75	8.44	4.49	0.00
27.20	8.44	4.49	0.00	29.80	8.44	4.49	0.00
27.25	8.44	4.49	0.00	29.85	8.44	4.49	0.00
27.30	8.44	4.49	0.00	29.90	8.44	4.49	0.00
27.35	8.44	4.49	0.00	29.95	8.44	4.49	0.00
27.40	8.44	4.49	0.00	30.00	8.44	4.49	0.00
27.45	8.44	4.49	0.00	30.05	8.44	4.49	0.00
27.50	8.44	4.49	0.00	30.10	8.44	4.49	0.00
27.55	8.44	4.49	0.00	30.15	8.44	4.49	0.00
27.60	8.44	4.49	0.00	30.20	8.44	4.49	0.00
27.65	8.44	4.49	0.00	30.25	8.44	4.49	0.00
27.70	8.44	4.49	0.00	30.30	8.44	4.49	0.00
27.75	8.44	4.49	0.00	30.35	8.44	4.49	0.00
27.80	8.44	4.49	0.00	30.40	8.44	4.49	0.00
27.85	8.44	4.49	0.00	30.45	8.44	4.49	0.00
27.90	8.44	4.49	0.00	30.50	8.44	4.49	0.00
27.95	8.44	4.49	0.00	30.55	8.44	4.49	0.00
28.00	8.44	4.49	0.00	30.60	8.44	4.49	0.00
28.05	8.44	4.49	0.00	30.65	8.44	4.49	0.00
28.10	8.44	4.49	0.00	30.70	8.44	4.49	0.00
28.15	8.44	4.49	0.00	30.75	8.44	4.49	0.00
28.20	8.44	4.49	0.00	30.80	8.44	4.49	0.00
28.25	8.44	4.49	0.00	30.85	8.44	4.49	0.00
28.30	8.44	4.49	0.00	30.90	8.44	4.49	0.00
28.35	8.44	4.49	0.00	30.95	8.44	4.49	0.00
28.40	8.44	4.49	0.00	31.00	8.44	4.49	0.00
28.45	8.44	4.49	0.00	31.05	8.44	4.49	0.00
28.50	8.44	4.49	0.00	31.10	8.44	4.49	0.00
28.55	8.44	4.49	0.00	31.15	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.49	0.00	33.80	8.44	4.49	0.00
31.25	8.44	4.49	0.00	33.85	8.44	4.49	0.00
31.30	8.44	4.49	0.00	33.90	8.44	4.49	0.00
31.35	8.44	4.49	0.00	33.95	8.44	4.49	0.00
31.40	8.44	4.49	0.00	34.00	8.44	4.49	0.00
31.45	8.44	4.49	0.00	34.05	8.44	4.49	0.00
31.50	8.44	4.49	0.00	34.10	8.44	4.49	0.00
31.55	8.44	4.49	0.00	34.15	8.44	4.49	0.00
31.60	8.44	4.49	0.00	34.20	8.44	4.49	0.00
31.65	8.44	4.49	0.00	34.25	8.44	4.49	0.00
31.70	8.44	4.49	0.00	34.30	8.44	4.49	0.00
31.75	8.44	4.49	0.00	34.35	8.44	4.49	0.00
31.80	8.44	4.49	0.00	34.40	8.44	4.49	0.00
31.85	8.44	4.49	0.00	34.45	8.44	4.49	0.00
31.90	8.44	4.49	0.00	34.50	8.44	4.49	0.00
31.95	8.44	4.49	0.00	34.55	8.44	4.49	0.00
32.00	8.44	4.49	0.00	34.60	8.44	4.49	0.00
32.05	8.44	4.49	0.00	34.65	8.44	4.49	0.00
32.10	8.44	4.49	0.00	34.70	8.44	4.49	0.00
32.15	8.44	4.49	0.00	34.75	8.44	4.49	0.00
32.20	8.44	4.49	0.00	34.80	8.44	4.49	0.00
32.25	8.44	4.49	0.00	34.85	8.44	4.49	0.00
32.30	8.44	4.49	0.00	34.90	8.44	4.49	0.00
32.35	8.44	4.49	0.00	34.95	8.44	4.49	0.00
32.40	8.44	4.49	0.00	35.00	8.44	4.49	0.00
32.45	8.44	4.49	0.00	35.05	8.44	4.49	0.00
32.50	8.44	4.49	0.00	35.10	8.44	4.49	0.00
32.55	8.44	4.49	0.00	35.15	8.44	4.49	0.00
32.60	8.44	4.49	0.00	35.20	8.44	4.49	0.00
32.65	8.44	4.49	0.00	35.25	8.44	4.49	0.00
32.70	8.44	4.49	0.00	35.30	8.44	4.49	0.00
32.75	8.44	4.49	0.00	35.35	8.44	4.49	0.00
32.80	8.44	4.49	0.00	35.40	8.44	4.49	0.00
32.85	8.44	4.49	0.00	35.45	8.44	4.49	0.00
32.90	8.44	4.49	0.00	35.50	8.44	4.49	0.00
32.95	8.44	4.49	0.00	35.55	8.44	4.49	0.00
33.00	8.44	4.49	0.00	35.60	8.44	4.49	0.00
33.05	8.44	4.49	0.00	35.65	8.44	4.49	0.00
33.10	8.44	4.49	0.00	35.70	8.44	4.49	0.00
33.15	8.44	4.49	0.00	35.75	8.44	4.49	0.00
33.20	8.44	4.49	0.00	35.80	8.44	4.49	0.00
33.25	8.44	4.49	0.00	35.85	8.44	4.49	0.00
33.30	8.44	4.49	0.00	35.90	8.44	4.49	0.00
33.35	8.44	4.49	0.00	35.95	8.44	4.49	0.00
33.40	8.44	4.49	0.00	36.00	8.44	4.49	0.00
33.45	8.44	4.49	0.00	36.05	8.44	4.49	0.00
33.50	8.44	4.49	0.00	36.10	8.44	4.49	0.00
33.55	8.44	4.49	0.00	36.15	8.44	4.49	0.00
33.60	8.44	4.49	0.00	36.20	8.44	4.49	0.00
33.65	8.44	4.49	0.00	36.25	8.44	4.49	0.00
33.70	8.44	4.49	0.00	36.30	8.44	4.49	0.00
33.75	8.44	4.49	0.00	36.35	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.49	0.00	39.00	8.44	4.49	0.00
36.45	8.44	4.49	0.00	39.05	8.44	4.49	0.00
36.50	8.44	4.49	0.00	39.10	8.44	4.49	0.00
36.55	8.44	4.49	0.00	39.15	8.44	4.49	0.00
36.60	8.44	4.49	0.00	39.20	8.44	4.49	0.00
36.65	8.44	4.49	0.00	39.25	8.44	4.49	0.00
36.70	8.44	4.49	0.00	39.30	8.44	4.49	0.00
36.75	8.44	4.49	0.00	39.35	8.44	4.49	0.00
36.80	8.44	4.49	0.00	39.40	8.44	4.49	0.00
36.85	8.44	4.49	0.00	39.45	8.44	4.49	0.00
36.90	8.44	4.49	0.00	39.50	8.44	4.49	0.00
36.95	8.44	4.49	0.00	39.55	8.44	4.49	0.00
37.00	8.44	4.49	0.00	39.60	8.44	4.49	0.00
37.05	8.44	4.49	0.00	39.65	8.44	4.49	0.00
37.10	8.44	4.49	0.00	39.70	8.44	4.49	0.00
37.15	8.44	4.49	0.00	39.75	8.44	4.49	0.00
37.20	8.44	4.49	0.00	39.80	8.44	4.49	0.00
37.25	8.44	4.49	0.00	39.85	8.44	4.49	0.00
37.30	8.44	4.49	0.00	39.90	8.44	4.49	0.00
37.35	8.44	4.49	0.00	39.95	8.44	4.49	0.00
37.40	8.44	4.49	0.00	40.00	8.44	4.49	0.00
37.45	8.44	4.49	0.00				
37.50	8.44	4.49	0.00				
37.55	8.44	4.49	0.00				
37.60	8.44	4.49	0.00				
37.65	8.44	4.49	0.00				
37.70	8.44	4.49	0.00				
37.75	8.44	4.49	0.00				
37.80	8.44	4.49	0.00				
37.85	8.44	4.49	0.00				
37.90	8.44	4.49	0.00				
37.95	8.44	4.49	0.00				
38.00	8.44	4.49	0.00				
38.05	8.44	4.49	0.00				
38.10	8.44	4.49	0.00				
38.15	8.44	4.49	0.00				
38.20	8.44	4.49	0.00				
38.25	8.44	4.49	0.00				
38.30	8.44	4.49	0.00				
38.35	8.44	4.49	0.00				
38.40	8.44	4.49	0.00				
38.45	8.44	4.49	0.00				
38.50	8.44	4.49	0.00				
38.55	8.44	4.49	0.00				
38.60	8.44	4.49	0.00				
38.65	8.44	4.49	0.00				
38.70	8.44	4.49	0.00				
38.75	8.44	4.49	0.00				
38.80	8.44	4.49	0.00				
38.85	8.44	4.49	0.00				
38.90	8.44	4.49	0.00				
38.95	8.44	4.49	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

Runoff = 214.50 cfs @ 12.18 hrs, Volume= 16.660 af, Depth= 5.68"

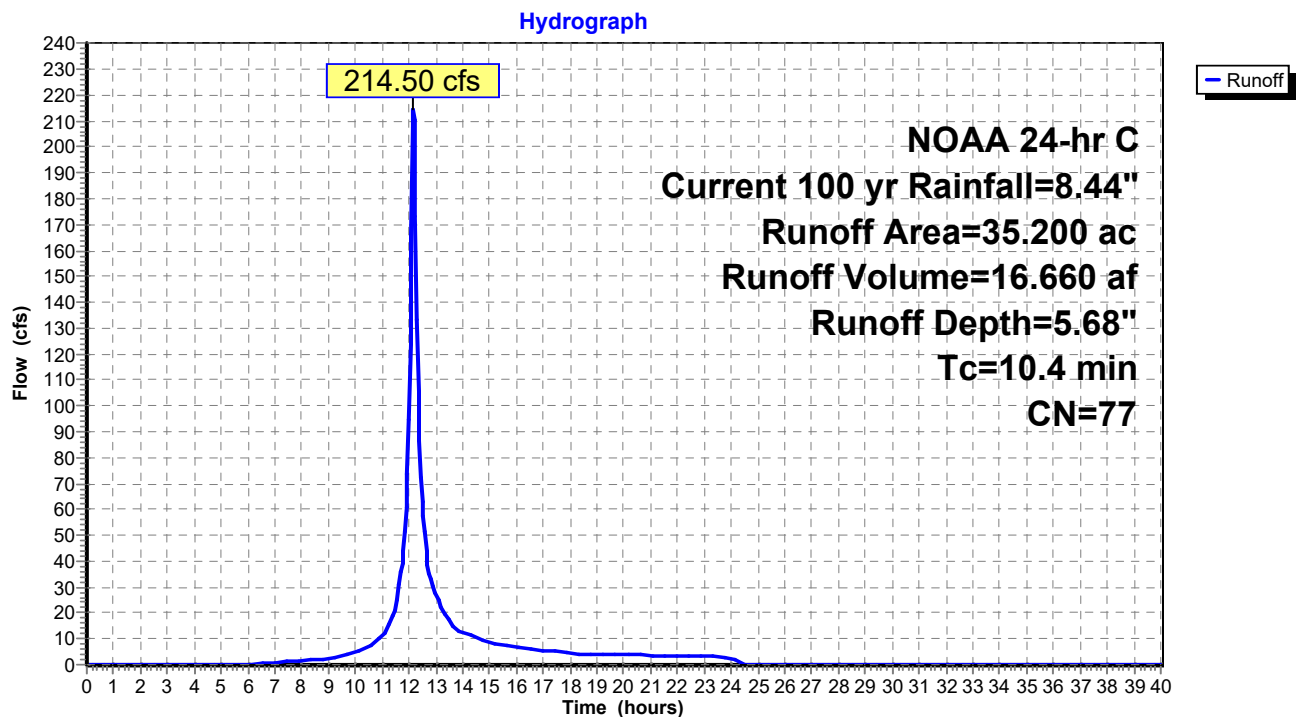
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.04	1.33
5.25	0.57	0.00	0.00	7.85	0.98	0.04	1.38
5.30	0.58	0.00	0.00	7.90	0.99	0.05	1.42
5.35	0.58	0.00	0.00	7.95	1.00	0.05	1.47
5.40	0.59	0.00	0.00	8.00	1.01	0.05	1.51
5.45	0.60	0.00	0.00	8.05	1.02	0.05	1.56
5.50	0.60	0.00	0.00	8.10	1.03	0.06	1.61
5.55	0.61	0.00	0.00	8.15	1.04	0.06	1.65
5.60	0.62	0.00	0.01	8.20	1.05	0.06	1.70
5.65	0.62	0.00	0.02	8.25	1.06	0.06	1.75
5.70	0.63	0.00	0.03	8.30	1.07	0.07	1.80
5.75	0.64	0.00	0.05	8.35	1.08	0.07	1.84
5.80	0.64	0.00	0.07	8.40	1.10	0.07	1.89
5.85	0.65	0.00	0.09	8.45	1.11	0.07	1.94
5.90	0.66	0.00	0.11	8.50	1.12	0.08	1.99
5.95	0.66	0.00	0.13	8.55	1.13	0.08	2.05
6.00	0.67	0.00	0.16	8.60	1.14	0.08	2.10
6.05	0.68	0.00	0.18	8.65	1.15	0.09	2.15
6.10	0.68	0.00	0.20	8.70	1.16	0.09	2.20
6.15	0.69	0.00	0.22	8.75	1.17	0.09	2.26
6.20	0.70	0.00	0.25	8.80	1.19	0.10	2.31
6.25	0.70	0.00	0.27	8.85	1.20	0.10	2.36
6.30	0.71	0.00	0.29	8.90	1.21	0.10	2.41
6.35	0.72	0.00	0.32	8.95	1.22	0.11	2.47
6.40	0.73	0.01	0.35	9.00	1.23	0.11	2.53
6.45	0.73	0.01	0.37	9.05	1.25	0.12	2.59
6.50	0.74	0.01	0.40	9.10	1.26	0.12	2.66
6.55	0.75	0.01	0.43	9.15	1.27	0.12	2.75
6.60	0.76	0.01	0.46	9.20	1.28	0.13	2.86
6.65	0.77	0.01	0.49	9.25	1.30	0.13	2.97
6.70	0.77	0.01	0.52	9.30	1.31	0.14	3.08
6.75	0.78	0.01	0.55	9.35	1.33	0.14	3.21
6.80	0.79	0.01	0.58	9.40	1.34	0.15	3.33
6.85	0.80	0.01	0.61	9.45	1.35	0.15	3.45
6.90	0.81	0.01	0.64	9.50	1.37	0.16	3.58
6.95	0.81	0.01	0.68	9.55	1.39	0.16	3.71
7.00	0.82	0.02	0.71	9.60	1.40	0.17	3.84
7.05	0.83	0.02	0.75	9.65	1.42	0.18	3.98
7.10	0.84	0.02	0.78	9.70	1.43	0.18	4.12
7.15	0.85	0.02	0.82	9.75	1.45	0.19	4.26
7.20	0.86	0.02	0.85	9.80	1.47	0.20	4.41
7.25	0.87	0.02	0.89	9.85	1.49	0.20	4.55
7.30	0.88	0.02	0.93	9.90	1.50	0.21	4.71
7.35	0.89	0.03	0.96	9.95	1.52	0.22	4.86
7.40	0.89	0.03	1.00	10.00	1.54	0.23	5.02
7.45	0.90	0.03	1.04	10.05	1.56	0.23	5.18
7.50	0.91	0.03	1.08	10.10	1.58	0.24	5.34
7.55	0.92	0.03	1.12	10.15	1.60	0.25	5.50
7.60	0.93	0.03	1.16	10.20	1.62	0.26	5.67
7.65	0.94	0.04	1.20	10.25	1.64	0.27	5.84
7.70	0.95	0.04	1.25	10.30	1.66	0.28	6.01
7.75	0.96	0.04	1.29	10.35	1.68	0.29	6.18

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.30	6.36	13.00	6.41	3.84	26.93
10.45	1.72	0.31	6.54	13.05	6.45	3.87	25.52
10.50	1.74	0.32	6.72	13.10	6.48	3.90	24.12
10.55	1.76	0.33	6.93	13.15	6.51	3.93	22.78
10.60	1.79	0.34	7.23	13.20	6.54	3.96	21.61
10.65	1.81	0.35	7.63	13.25	6.57	3.98	20.66
10.70	1.84	0.36	8.09	13.30	6.60	4.01	19.80
10.75	1.87	0.38	8.58	13.35	6.63	4.03	19.00
10.80	1.90	0.39	9.10	13.40	6.65	4.06	18.22
10.85	1.93	0.41	9.65	13.45	6.68	4.08	17.46
10.90	1.96	0.43	10.21	13.50	6.70	4.10	16.70
10.95	1.99	0.44	10.78	13.55	6.72	4.12	15.95
11.00	2.03	0.46	11.37	13.60	6.74	4.14	15.20
11.05	2.06	0.48	11.99	13.65	6.76	4.15	14.48
11.10	2.10	0.50	12.77	13.70	6.78	4.17	13.92
11.15	2.14	0.53	13.68	13.75	6.80	4.19	13.54
11.20	2.19	0.55	14.70	13.80	6.82	4.21	13.25
11.25	2.23	0.58	15.77	13.85	6.84	4.23	13.01
11.30	2.28	0.61	16.89	13.90	6.86	4.24	12.79
11.35	2.33	0.64	18.04	13.95	6.88	4.26	12.60
11.40	2.38	0.67	19.24	14.00	6.90	4.28	12.40
11.45	2.44	0.70	20.46	14.05	6.92	4.29	12.19
11.50	2.49	0.74	21.65	14.10	6.94	4.31	11.99
11.55	2.58	0.79	23.15	14.15	6.95	4.33	11.80
11.60	2.66	0.85	26.47	14.20	6.97	4.34	11.60
11.65	2.75	0.90	31.34	14.25	6.99	4.36	11.41
11.70	2.84	0.96	35.68	14.30	7.01	4.37	11.22
11.75	2.97	1.05	39.22	14.35	7.02	4.39	11.02
11.80	3.09	1.13	44.26	14.40	7.04	4.40	10.81
11.85	3.26	1.26	51.45	14.45	7.05	4.41	10.62
11.90	3.43	1.38	61.11	14.50	7.07	4.43	10.42
11.95	3.73	1.60	73.82	14.55	7.09	4.44	10.23
12.00	4.02	1.83	94.45	14.60	7.10	4.46	10.03
12.05	4.52	2.22	124.10	14.65	7.11	4.47	9.83
12.10	5.01	2.63	165.77	14.70	7.13	4.48	9.62
12.15	5.18	2.77	207.97	14.75	7.14	4.49	9.43
12.20	5.35	2.92	210.77	14.80	7.16	4.51	9.23
12.25	5.47	3.02	173.31	14.85	7.17	4.52	9.04
12.30	5.60	3.13	133.21	14.90	7.18	4.53	8.84
12.35	5.69	3.21	105.67	14.95	7.19	4.54	8.63
12.40	5.78	3.28	86.29	15.00	7.21	4.55	8.43
12.45	5.86	3.36	72.27	15.05	7.22	4.56	8.23
12.50	5.95	3.43	63.14	15.10	7.23	4.57	8.03
12.55	6.00	3.48	57.44	15.15	7.24	4.58	7.84
12.60	6.06	3.53	51.29	15.20	7.25	4.60	7.70
12.65	6.11	3.57	44.16	15.25	7.27	4.61	7.59
12.70	6.16	3.62	38.68	15.30	7.28	4.62	7.51
12.75	6.21	3.66	35.42	15.35	7.29	4.63	7.45
12.80	6.25	3.70	33.18	15.40	7.30	4.64	7.39
12.85	6.30	3.74	31.41	15.45	7.31	4.65	7.34
12.90	6.34	3.78	29.83	15.50	7.32	4.66	7.29
12.95	6.38	3.81	28.37	15.55	7.33	4.67	7.23

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.68	7.18	18.20	7.80	5.09	4.44
15.65	7.36	4.69	7.13	18.25	7.80	5.10	4.41
15.70	7.37	4.70	7.08	18.30	7.81	5.10	4.39
15.75	7.38	4.71	7.02	18.35	7.82	5.11	4.37
15.80	7.39	4.72	6.96	18.40	7.82	5.11	4.36
15.85	7.40	4.72	6.91	18.45	7.83	5.12	4.34
15.90	7.41	4.73	6.86	18.50	7.84	5.13	4.33
15.95	7.42	4.74	6.82	18.55	7.84	5.13	4.32
16.00	7.43	4.75	6.76	18.60	7.85	5.14	4.30
16.05	7.44	4.76	6.71	18.65	7.86	5.14	4.29
16.10	7.45	4.77	6.65	18.70	7.86	5.15	4.28
16.15	7.46	4.78	6.61	18.75	7.87	5.16	4.26
16.20	7.47	4.79	6.56	18.80	7.88	5.16	4.25
16.25	7.48	4.80	6.51	18.85	7.88	5.17	4.24
16.30	7.49	4.81	6.45	18.90	7.89	5.17	4.23
16.35	7.50	4.82	6.39	18.95	7.90	5.18	4.21
16.40	7.51	4.83	6.34	19.00	7.90	5.19	4.20
16.45	7.52	4.83	6.29	19.05	7.91	5.19	4.19
16.50	7.53	4.84	6.23	19.10	7.92	5.20	4.17
16.55	7.54	4.85	6.18	19.15	7.92	5.20	4.16
16.60	7.55	4.86	6.12	19.20	7.93	5.21	4.15
16.65	7.55	4.87	6.08	19.25	7.93	5.21	4.13
16.70	7.56	4.88	6.03	19.30	7.94	5.22	4.12
16.75	7.57	4.88	5.98	19.35	7.95	5.23	4.11
16.80	7.58	4.89	5.92	19.40	7.95	5.23	4.09
16.85	7.59	4.90	5.86	19.45	7.96	5.24	4.08
16.90	7.60	4.91	5.80	19.50	7.97	5.24	4.07
16.95	7.61	4.92	5.76	19.55	7.97	5.25	4.05
17.00	7.62	4.92	5.71	19.60	7.98	5.25	4.04
17.05	7.63	4.93	5.66	19.65	7.98	5.26	4.03
17.10	7.63	4.94	5.60	19.70	7.99	5.27	4.01
17.15	7.64	4.95	5.55	19.75	8.00	5.27	4.00
17.20	7.65	4.95	5.50	19.80	8.00	5.28	3.99
17.25	7.66	4.96	5.44	19.85	8.01	5.28	3.99
17.30	7.67	4.97	5.38	19.90	8.01	5.29	3.97
17.35	7.67	4.98	5.32	19.95	8.02	5.29	3.96
17.40	7.68	4.98	5.27	20.00	8.03	5.30	3.94
17.45	7.69	4.99	5.22	20.05	8.03	5.30	3.92
17.50	7.70	5.00	5.17	20.10	8.04	5.31	3.91
17.55	7.71	5.01	5.12	20.15	8.04	5.32	3.89
17.60	7.71	5.01	5.07	20.20	8.05	5.32	3.88
17.65	7.72	5.02	5.01	20.25	8.06	5.33	3.87
17.70	7.73	5.03	4.96	20.30	8.06	5.33	3.85
17.75	7.74	5.03	4.90	20.35	8.07	5.34	3.84
17.80	7.74	5.04	4.85	20.40	8.07	5.34	3.83
17.85	7.75	5.05	4.80	20.45	8.08	5.35	3.81
17.90	7.76	5.05	4.74	20.50	8.09	5.35	3.80
17.95	7.76	5.06	4.69	20.55	8.09	5.36	3.79
18.00	7.77	5.06	4.63	20.60	8.10	5.36	3.78
18.05	7.78	5.07	4.58	20.65	8.10	5.37	3.77
18.10	7.78	5.08	4.53	20.70	8.11	5.37	3.76
18.15	7.79	5.08	4.48	20.75	8.11	5.38	3.74

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.38	3.72	23.40	8.38	5.63	3.02
20.85	8.13	5.39	3.71	23.45	8.39	5.63	3.02
20.90	8.13	5.39	3.69	23.50	8.39	5.64	3.00
20.95	8.14	5.40	3.68	23.55	8.40	5.64	2.99
21.00	8.14	5.40	3.67	23.60	8.40	5.65	2.97
21.05	8.15	5.41	3.65	23.65	8.41	5.65	2.95
21.10	8.15	5.42	3.64	23.70	8.41	5.65	2.94
21.15	8.16	5.42	3.63	23.75	8.42	5.66	2.94
21.20	8.16	5.43	3.61	23.80	8.42	5.66	2.92
21.25	8.17	5.43	3.60	23.85	8.42	5.67	2.90
21.30	8.18	5.44	3.59	23.90	8.43	5.67	2.89
21.35	8.18	5.44	3.58	23.95	8.43	5.67	2.89
21.40	8.19	5.45	3.57	24.00	8.44	5.68	3.01
21.45	8.19	5.45	3.55	24.05	8.44	5.68	3.10
21.50	8.20	5.46	3.54	24.10	8.44	5.68	2.62
21.55	8.20	5.46	3.52	24.15	8.44	5.68	1.64
21.60	8.21	5.46	3.51	24.20	8.44	5.68	0.83
21.65	8.21	5.47	3.49	24.25	8.44	5.68	0.41
21.70	8.22	5.47	3.48	24.30	8.44	5.68	0.20
21.75	8.22	5.48	3.46	24.35	8.44	5.68	0.10
21.80	8.23	5.48	3.46	24.40	8.44	5.68	0.05
21.85	8.23	5.49	3.45	24.45	8.44	5.68	0.02
21.90	8.24	5.49	3.44	24.50	8.44	5.68	0.01
21.95	8.24	5.50	3.42	24.55	8.44	5.68	0.00
22.00	8.25	5.50	3.40	24.60	8.44	5.68	0.00
22.05	8.25	5.51	3.39	24.65	8.44	5.68	0.00
22.10	8.26	5.51	3.37	24.70	8.44	5.68	0.00
22.15	8.26	5.52	3.36	24.75	8.44	5.68	0.00
22.20	8.27	5.52	3.35	24.80	8.44	5.68	0.00
22.25	8.27	5.53	3.34	24.85	8.44	5.68	0.00
22.30	8.28	5.53	3.33	24.90	8.44	5.68	0.00
22.35	8.28	5.54	3.31	24.95	8.44	5.68	0.00
22.40	8.29	5.54	3.29	25.00	8.44	5.68	0.00
22.45	8.29	5.55	3.28	25.05	8.44	5.68	0.00
22.50	8.30	5.55	3.26	25.10	8.44	5.68	0.00
22.55	8.30	5.55	3.25	25.15	8.44	5.68	0.00
22.60	8.31	5.56	3.24	25.20	8.44	5.68	0.00
22.65	8.31	5.56	3.23	25.25	8.44	5.68	0.00
22.70	8.32	5.57	3.22	25.30	8.44	5.68	0.00
22.75	8.32	5.57	3.20	25.35	8.44	5.68	0.00
22.80	8.33	5.58	3.18	25.40	8.44	5.68	0.00
22.85	8.33	5.58	3.17	25.45	8.44	5.68	0.00
22.90	8.34	5.59	3.15	25.50	8.44	5.68	0.00
22.95	8.34	5.59	3.14	25.55	8.44	5.68	0.00
23.00	8.35	5.59	3.13	25.60	8.44	5.68	0.00
23.05	8.35	5.60	3.13	25.65	8.44	5.68	0.00
23.10	8.36	5.60	3.11	25.70	8.44	5.68	0.00
23.15	8.36	5.61	3.09	25.75	8.44	5.68	0.00
23.20	8.37	5.61	3.08	25.80	8.44	5.68	0.00
23.25	8.37	5.62	3.06	25.85	8.44	5.68	0.00
23.30	8.38	5.62	3.04	25.90	8.44	5.68	0.00
23.35	8.38	5.62	3.03	25.95	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.68	0.00	28.60	8.44	5.68	0.00
26.05	8.44	5.68	0.00	28.65	8.44	5.68	0.00
26.10	8.44	5.68	0.00	28.70	8.44	5.68	0.00
26.15	8.44	5.68	0.00	28.75	8.44	5.68	0.00
26.20	8.44	5.68	0.00	28.80	8.44	5.68	0.00
26.25	8.44	5.68	0.00	28.85	8.44	5.68	0.00
26.30	8.44	5.68	0.00	28.90	8.44	5.68	0.00
26.35	8.44	5.68	0.00	28.95	8.44	5.68	0.00
26.40	8.44	5.68	0.00	29.00	8.44	5.68	0.00
26.45	8.44	5.68	0.00	29.05	8.44	5.68	0.00
26.50	8.44	5.68	0.00	29.10	8.44	5.68	0.00
26.55	8.44	5.68	0.00	29.15	8.44	5.68	0.00
26.60	8.44	5.68	0.00	29.20	8.44	5.68	0.00
26.65	8.44	5.68	0.00	29.25	8.44	5.68	0.00
26.70	8.44	5.68	0.00	29.30	8.44	5.68	0.00
26.75	8.44	5.68	0.00	29.35	8.44	5.68	0.00
26.80	8.44	5.68	0.00	29.40	8.44	5.68	0.00
26.85	8.44	5.68	0.00	29.45	8.44	5.68	0.00
26.90	8.44	5.68	0.00	29.50	8.44	5.68	0.00
26.95	8.44	5.68	0.00	29.55	8.44	5.68	0.00
27.00	8.44	5.68	0.00	29.60	8.44	5.68	0.00
27.05	8.44	5.68	0.00	29.65	8.44	5.68	0.00
27.10	8.44	5.68	0.00	29.70	8.44	5.68	0.00
27.15	8.44	5.68	0.00	29.75	8.44	5.68	0.00
27.20	8.44	5.68	0.00	29.80	8.44	5.68	0.00
27.25	8.44	5.68	0.00	29.85	8.44	5.68	0.00
27.30	8.44	5.68	0.00	29.90	8.44	5.68	0.00
27.35	8.44	5.68	0.00	29.95	8.44	5.68	0.00
27.40	8.44	5.68	0.00	30.00	8.44	5.68	0.00
27.45	8.44	5.68	0.00	30.05	8.44	5.68	0.00
27.50	8.44	5.68	0.00	30.10	8.44	5.68	0.00
27.55	8.44	5.68	0.00	30.15	8.44	5.68	0.00
27.60	8.44	5.68	0.00	30.20	8.44	5.68	0.00
27.65	8.44	5.68	0.00	30.25	8.44	5.68	0.00
27.70	8.44	5.68	0.00	30.30	8.44	5.68	0.00
27.75	8.44	5.68	0.00	30.35	8.44	5.68	0.00
27.80	8.44	5.68	0.00	30.40	8.44	5.68	0.00
27.85	8.44	5.68	0.00	30.45	8.44	5.68	0.00
27.90	8.44	5.68	0.00	30.50	8.44	5.68	0.00
27.95	8.44	5.68	0.00	30.55	8.44	5.68	0.00
28.00	8.44	5.68	0.00	30.60	8.44	5.68	0.00
28.05	8.44	5.68	0.00	30.65	8.44	5.68	0.00
28.10	8.44	5.68	0.00	30.70	8.44	5.68	0.00
28.15	8.44	5.68	0.00	30.75	8.44	5.68	0.00
28.20	8.44	5.68	0.00	30.80	8.44	5.68	0.00
28.25	8.44	5.68	0.00	30.85	8.44	5.68	0.00
28.30	8.44	5.68	0.00	30.90	8.44	5.68	0.00
28.35	8.44	5.68	0.00	30.95	8.44	5.68	0.00
28.40	8.44	5.68	0.00	31.00	8.44	5.68	0.00
28.45	8.44	5.68	0.00	31.05	8.44	5.68	0.00
28.50	8.44	5.68	0.00	31.10	8.44	5.68	0.00
28.55	8.44	5.68	0.00	31.15	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.68	0.00	33.80	8.44	5.68	0.00
31.25	8.44	5.68	0.00	33.85	8.44	5.68	0.00
31.30	8.44	5.68	0.00	33.90	8.44	5.68	0.00
31.35	8.44	5.68	0.00	33.95	8.44	5.68	0.00
31.40	8.44	5.68	0.00	34.00	8.44	5.68	0.00
31.45	8.44	5.68	0.00	34.05	8.44	5.68	0.00
31.50	8.44	5.68	0.00	34.10	8.44	5.68	0.00
31.55	8.44	5.68	0.00	34.15	8.44	5.68	0.00
31.60	8.44	5.68	0.00	34.20	8.44	5.68	0.00
31.65	8.44	5.68	0.00	34.25	8.44	5.68	0.00
31.70	8.44	5.68	0.00	34.30	8.44	5.68	0.00
31.75	8.44	5.68	0.00	34.35	8.44	5.68	0.00
31.80	8.44	5.68	0.00	34.40	8.44	5.68	0.00
31.85	8.44	5.68	0.00	34.45	8.44	5.68	0.00
31.90	8.44	5.68	0.00	34.50	8.44	5.68	0.00
31.95	8.44	5.68	0.00	34.55	8.44	5.68	0.00
32.00	8.44	5.68	0.00	34.60	8.44	5.68	0.00
32.05	8.44	5.68	0.00	34.65	8.44	5.68	0.00
32.10	8.44	5.68	0.00	34.70	8.44	5.68	0.00
32.15	8.44	5.68	0.00	34.75	8.44	5.68	0.00
32.20	8.44	5.68	0.00	34.80	8.44	5.68	0.00
32.25	8.44	5.68	0.00	34.85	8.44	5.68	0.00
32.30	8.44	5.68	0.00	34.90	8.44	5.68	0.00
32.35	8.44	5.68	0.00	34.95	8.44	5.68	0.00
32.40	8.44	5.68	0.00	35.00	8.44	5.68	0.00
32.45	8.44	5.68	0.00	35.05	8.44	5.68	0.00
32.50	8.44	5.68	0.00	35.10	8.44	5.68	0.00
32.55	8.44	5.68	0.00	35.15	8.44	5.68	0.00
32.60	8.44	5.68	0.00	35.20	8.44	5.68	0.00
32.65	8.44	5.68	0.00	35.25	8.44	5.68	0.00
32.70	8.44	5.68	0.00	35.30	8.44	5.68	0.00
32.75	8.44	5.68	0.00	35.35	8.44	5.68	0.00
32.80	8.44	5.68	0.00	35.40	8.44	5.68	0.00
32.85	8.44	5.68	0.00	35.45	8.44	5.68	0.00
32.90	8.44	5.68	0.00	35.50	8.44	5.68	0.00
32.95	8.44	5.68	0.00	35.55	8.44	5.68	0.00
33.00	8.44	5.68	0.00	35.60	8.44	5.68	0.00
33.05	8.44	5.68	0.00	35.65	8.44	5.68	0.00
33.10	8.44	5.68	0.00	35.70	8.44	5.68	0.00
33.15	8.44	5.68	0.00	35.75	8.44	5.68	0.00
33.20	8.44	5.68	0.00	35.80	8.44	5.68	0.00
33.25	8.44	5.68	0.00	35.85	8.44	5.68	0.00
33.30	8.44	5.68	0.00	35.90	8.44	5.68	0.00
33.35	8.44	5.68	0.00	35.95	8.44	5.68	0.00
33.40	8.44	5.68	0.00	36.00	8.44	5.68	0.00
33.45	8.44	5.68	0.00	36.05	8.44	5.68	0.00
33.50	8.44	5.68	0.00	36.10	8.44	5.68	0.00
33.55	8.44	5.68	0.00	36.15	8.44	5.68	0.00
33.60	8.44	5.68	0.00	36.20	8.44	5.68	0.00
33.65	8.44	5.68	0.00	36.25	8.44	5.68	0.00
33.70	8.44	5.68	0.00	36.30	8.44	5.68	0.00
33.75	8.44	5.68	0.00	36.35	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.68	0.00	39.00	8.44	5.68	0.00
36.45	8.44	5.68	0.00	39.05	8.44	5.68	0.00
36.50	8.44	5.68	0.00	39.10	8.44	5.68	0.00
36.55	8.44	5.68	0.00	39.15	8.44	5.68	0.00
36.60	8.44	5.68	0.00	39.20	8.44	5.68	0.00
36.65	8.44	5.68	0.00	39.25	8.44	5.68	0.00
36.70	8.44	5.68	0.00	39.30	8.44	5.68	0.00
36.75	8.44	5.68	0.00	39.35	8.44	5.68	0.00
36.80	8.44	5.68	0.00	39.40	8.44	5.68	0.00
36.85	8.44	5.68	0.00	39.45	8.44	5.68	0.00
36.90	8.44	5.68	0.00	39.50	8.44	5.68	0.00
36.95	8.44	5.68	0.00	39.55	8.44	5.68	0.00
37.00	8.44	5.68	0.00	39.60	8.44	5.68	0.00
37.05	8.44	5.68	0.00	39.65	8.44	5.68	0.00
37.10	8.44	5.68	0.00	39.70	8.44	5.68	0.00
37.15	8.44	5.68	0.00	39.75	8.44	5.68	0.00
37.20	8.44	5.68	0.00	39.80	8.44	5.68	0.00
37.25	8.44	5.68	0.00	39.85	8.44	5.68	0.00
37.30	8.44	5.68	0.00	39.90	8.44	5.68	0.00
37.35	8.44	5.68	0.00	39.95	8.44	5.68	0.00
37.40	8.44	5.68	0.00	40.00	8.44	5.68	0.00
37.45	8.44	5.68	0.00				
37.50	8.44	5.68	0.00				
37.55	8.44	5.68	0.00				
37.60	8.44	5.68	0.00				
37.65	8.44	5.68	0.00				
37.70	8.44	5.68	0.00				
37.75	8.44	5.68	0.00				
37.80	8.44	5.68	0.00				
37.85	8.44	5.68	0.00				
37.90	8.44	5.68	0.00				
37.95	8.44	5.68	0.00				
38.00	8.44	5.68	0.00				
38.05	8.44	5.68	0.00				
38.10	8.44	5.68	0.00				
38.15	8.44	5.68	0.00				
38.20	8.44	5.68	0.00				
38.25	8.44	5.68	0.00				
38.30	8.44	5.68	0.00				
38.35	8.44	5.68	0.00				
38.40	8.44	5.68	0.00				
38.45	8.44	5.68	0.00				
38.50	8.44	5.68	0.00				
38.55	8.44	5.68	0.00				
38.60	8.44	5.68	0.00				
38.65	8.44	5.68	0.00				
38.70	8.44	5.68	0.00				
38.75	8.44	5.68	0.00				
38.80	8.44	5.68	0.00				
38.85	8.44	5.68	0.00				
38.90	8.44	5.68	0.00				
38.95	8.44	5.68	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 175.74 cfs @ 12.09 hrs, Volume= 10.253 af, Depth= 5.56"

Routed to Link XDA-3 : Existing Drainage Area #3

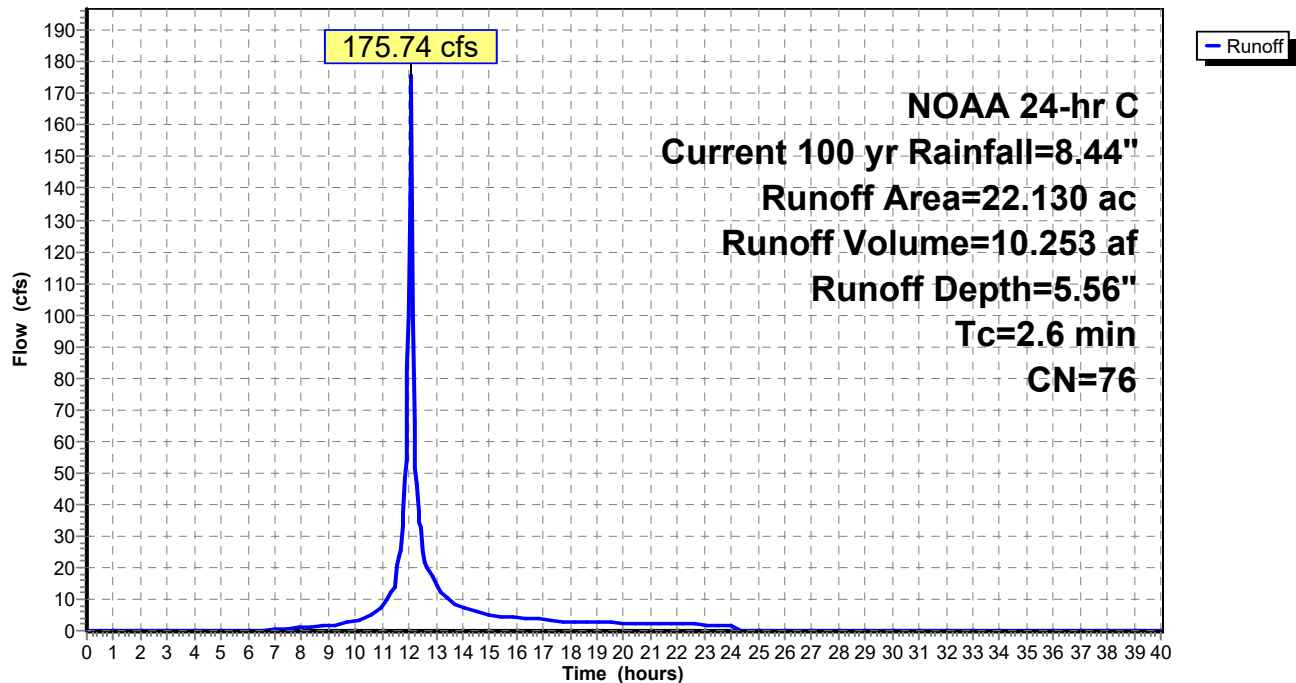
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.03	0.79
5.25	0.57	0.00	0.00	7.85	0.98	0.03	0.82
5.30	0.58	0.00	0.00	7.90	0.99	0.04	0.85
5.35	0.58	0.00	0.00	7.95	1.00	0.04	0.88
5.40	0.59	0.00	0.00	8.00	1.01	0.04	0.91
5.45	0.60	0.00	0.00	8.05	1.02	0.04	0.93
5.50	0.60	0.00	0.00	8.10	1.03	0.05	0.96
5.55	0.61	0.00	0.00	8.15	1.04	0.05	0.99
5.60	0.62	0.00	0.00	8.20	1.05	0.05	1.02
5.65	0.62	0.00	0.00	8.25	1.06	0.05	1.05
5.70	0.63	0.00	0.00	8.30	1.07	0.05	1.08
5.75	0.64	0.00	0.00	8.35	1.08	0.06	1.11
5.80	0.64	0.00	0.01	8.40	1.10	0.06	1.14
5.85	0.65	0.00	0.02	8.45	1.11	0.06	1.18
5.90	0.66	0.00	0.03	8.50	1.12	0.06	1.21
5.95	0.66	0.00	0.05	8.55	1.13	0.07	1.24
6.00	0.67	0.00	0.06	8.60	1.14	0.07	1.27
6.05	0.68	0.00	0.07	8.65	1.15	0.07	1.30
6.10	0.68	0.00	0.09	8.70	1.16	0.08	1.34
6.15	0.69	0.00	0.10	8.75	1.17	0.08	1.37
6.20	0.70	0.00	0.12	8.80	1.19	0.08	1.40
6.25	0.70	0.00	0.13	8.85	1.20	0.09	1.43
6.30	0.71	0.00	0.15	8.90	1.21	0.09	1.46
6.35	0.72	0.00	0.16	8.95	1.22	0.09	1.51
6.40	0.73	0.00	0.18	9.00	1.23	0.10	1.54
6.45	0.73	0.00	0.20	9.05	1.25	0.10	1.62
6.50	0.74	0.00	0.21	9.10	1.26	0.10	1.67
6.55	0.75	0.00	0.23	9.15	1.27	0.11	1.75
6.60	0.76	0.00	0.25	9.20	1.28	0.11	1.81
6.65	0.77	0.01	0.27	9.25	1.30	0.12	1.90
6.70	0.77	0.01	0.29	9.30	1.31	0.12	1.96
6.75	0.78	0.01	0.31	9.35	1.33	0.13	2.05
6.80	0.79	0.01	0.32	9.40	1.34	0.13	2.11
6.85	0.80	0.01	0.35	9.45	1.35	0.13	2.20
6.90	0.81	0.01	0.37	9.50	1.37	0.14	2.27
6.95	0.81	0.01	0.39	9.55	1.39	0.15	2.37
7.00	0.82	0.01	0.41	9.60	1.40	0.15	2.44
7.05	0.83	0.01	0.43	9.65	1.42	0.16	2.54
7.10	0.84	0.01	0.45	9.70	1.43	0.16	2.61
7.15	0.85	0.01	0.47	9.75	1.45	0.17	2.72
7.20	0.86	0.02	0.50	9.80	1.47	0.17	2.79
7.25	0.87	0.02	0.52	9.85	1.49	0.18	2.91
7.30	0.88	0.02	0.54	9.90	1.50	0.19	2.99
7.35	0.89	0.02	0.57	9.95	1.52	0.20	3.10
7.40	0.89	0.02	0.59	10.00	1.54	0.20	3.18
7.45	0.90	0.02	0.62	10.05	1.56	0.21	3.30
7.50	0.91	0.02	0.64	10.10	1.58	0.22	3.38
7.55	0.92	0.02	0.66	10.15	1.60	0.23	3.51
7.60	0.93	0.03	0.69	10.20	1.62	0.23	3.60
7.65	0.94	0.03	0.72	10.25	1.64	0.24	3.72
7.70	0.95	0.03	0.74	10.30	1.66	0.25	3.81
7.75	0.96	0.03	0.77	10.35	1.68	0.26	3.94

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.27	4.03	13.00	6.41	3.74	14.81
10.45	1.72	0.28	4.17	13.05	6.45	3.77	13.62
10.50	1.74	0.29	4.28	13.10	6.48	3.80	13.10
10.55	1.76	0.30	4.66	13.15	6.51	3.83	12.44
10.60	1.79	0.31	4.87	13.20	6.54	3.85	12.15
10.65	1.81	0.32	5.28	13.25	6.57	3.88	11.52
10.70	1.84	0.33	5.51	13.30	6.60	3.90	11.23
10.75	1.87	0.35	5.94	13.35	6.63	3.93	10.58
10.80	1.90	0.36	6.20	13.40	6.65	3.95	10.28
10.85	1.93	0.38	6.64	13.45	6.68	3.97	9.64
10.90	1.96	0.39	6.91	13.50	6.70	3.99	9.35
10.95	1.99	0.41	7.38	13.55	6.72	4.01	8.71
11.00	2.03	0.43	7.68	13.60	6.74	4.03	8.43
11.05	2.06	0.45	8.50	13.65	6.76	4.05	8.24
11.10	2.10	0.47	8.96	13.70	6.78	4.07	8.16
11.15	2.14	0.49	9.84	13.75	6.80	4.08	8.00
11.20	2.19	0.51	10.34	13.80	6.82	4.10	7.92
11.25	2.23	0.54	11.27	13.85	6.84	4.12	7.77
11.30	2.28	0.57	11.80	13.90	6.86	4.14	7.69
11.35	2.33	0.60	12.78	13.95	6.88	4.15	7.52
11.40	2.38	0.63	13.34	14.00	6.90	4.17	7.44
11.45	2.44	0.66	14.18	14.05	6.92	4.19	7.27
11.50	2.49	0.69	14.87	14.10	6.94	4.20	7.19
11.55	2.58	0.74	20.61	14.15	6.95	4.22	7.04
11.60	2.66	0.80	23.49	14.20	6.97	4.23	6.96
11.65	2.75	0.85	24.96	14.25	6.99	4.25	6.78
11.70	2.84	0.91	26.05	14.30	7.01	4.26	6.70
11.75	2.97	0.99	33.15	14.35	7.02	4.28	6.53
11.80	3.09	1.08	37.15	14.40	7.04	4.29	6.46
11.85	3.26	1.20	47.99	14.45	7.05	4.31	6.30
11.90	3.43	1.32	54.60	14.50	7.07	4.32	6.23
11.95	3.73	1.53	83.24	14.55	7.09	4.33	6.05
12.00	4.02	1.76	99.61	14.60	7.10	4.35	5.96
12.05	4.52	2.14	149.62	14.65	7.11	4.36	5.79
12.10	5.01	2.54	172.42	14.70	7.13	4.37	5.72
12.15	5.18	2.68	99.16	14.75	7.14	4.38	5.56
12.20	5.35	2.83	65.26	14.80	7.16	4.40	5.48
12.25	5.47	2.93	51.75	14.85	7.17	4.41	5.30
12.30	5.60	3.03	46.45	14.90	7.18	4.42	5.22
12.35	5.69	3.11	37.96	14.95	7.19	4.43	5.05
12.40	5.78	3.19	34.36	15.00	7.21	4.44	4.97
12.45	5.86	3.26	33.12	15.05	7.22	4.45	4.81
12.50	5.95	3.33	32.43	15.10	7.23	4.46	4.74
12.55	6.00	3.38	24.78	15.15	7.24	4.47	4.68
12.60	6.06	3.43	21.39	15.20	7.25	4.48	4.65
12.65	6.11	3.47	20.34	15.25	7.27	4.49	4.61
12.70	6.16	3.52	19.94	15.30	7.28	4.51	4.59
12.75	6.21	3.56	18.78	15.35	7.29	4.52	4.56
12.80	6.25	3.60	18.25	15.40	7.30	4.53	4.54
12.85	6.30	3.64	17.08	15.45	7.31	4.54	4.48
12.90	6.34	3.67	16.54	15.50	7.32	4.55	4.46
12.95	6.38	3.71	15.35	15.55	7.33	4.56	4.43

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.57	4.41	18.20	7.80	4.97	2.73
15.65	7.36	4.57	4.35	18.25	7.80	4.98	2.72
15.70	7.37	4.58	4.33	18.30	7.81	4.99	2.71
15.75	7.38	4.59	4.28	18.35	7.82	4.99	2.70
15.80	7.39	4.60	4.26	18.40	7.82	5.00	2.70
15.85	7.40	4.61	4.23	18.45	7.83	5.00	2.69
15.90	7.41	4.62	4.21	18.50	7.84	5.01	2.68
15.95	7.42	4.63	4.16	18.55	7.84	5.02	2.67
16.00	7.43	4.64	4.13	18.60	7.85	5.02	2.67
16.05	7.44	4.65	4.10	18.65	7.86	5.03	2.65
16.10	7.45	4.66	4.08	18.70	7.86	5.03	2.65
16.15	7.46	4.67	4.04	18.75	7.87	5.04	2.64
16.20	7.47	4.68	4.02	18.80	7.88	5.05	2.63
16.25	7.48	4.69	3.96	18.85	7.88	5.05	2.62
16.30	7.49	4.69	3.93	18.90	7.89	5.06	2.62
16.35	7.50	4.70	3.90	18.95	7.90	5.06	2.60
16.40	7.51	4.71	3.88	19.00	7.90	5.07	2.60
16.45	7.52	4.72	3.83	19.05	7.91	5.08	2.59
16.50	7.53	4.73	3.80	19.10	7.92	5.08	2.58
16.55	7.54	4.74	3.77	19.15	7.92	5.09	2.57
16.60	7.55	4.75	3.75	19.20	7.93	5.09	2.57
16.65	7.55	4.75	3.71	19.25	7.93	5.10	2.56
16.70	7.56	4.76	3.69	19.30	7.94	5.10	2.55
16.75	7.57	4.77	3.63	19.35	7.95	5.11	2.54
16.80	7.58	4.78	3.60	19.40	7.95	5.12	2.53
16.85	7.59	4.79	3.57	19.45	7.96	5.12	2.52
16.90	7.60	4.79	3.55	19.50	7.97	5.13	2.52
16.95	7.61	4.80	3.51	19.55	7.97	5.13	2.51
17.00	7.62	4.81	3.49	19.60	7.98	5.14	2.50
17.05	7.63	4.82	3.44	19.65	7.98	5.14	2.49
17.10	7.63	4.83	3.42	19.70	7.99	5.15	2.48
17.15	7.64	4.83	3.37	19.75	8.00	5.15	2.48
17.20	7.65	4.84	3.35	19.80	8.00	5.16	2.48
17.25	7.66	4.85	3.29	19.85	8.01	5.17	2.46
17.30	7.67	4.86	3.27	19.90	8.01	5.17	2.45
17.35	7.67	4.86	3.23	19.95	8.02	5.18	2.44
17.40	7.68	4.87	3.22	20.00	8.03	5.18	2.43
17.45	7.69	4.88	3.17	20.05	8.03	5.19	2.42
17.50	7.70	4.88	3.15	20.10	8.04	5.19	2.42
17.55	7.71	4.89	3.10	20.15	8.04	5.20	2.41
17.60	7.71	4.90	3.08	20.20	8.05	5.20	2.40
17.65	7.72	4.90	3.04	20.25	8.06	5.21	2.39
17.70	7.73	4.91	3.02	20.30	8.06	5.21	2.38
17.75	7.74	4.92	2.97	20.35	8.07	5.22	2.37
17.80	7.74	4.92	2.95	20.40	8.07	5.23	2.37
17.85	7.75	4.93	2.90	20.45	8.08	5.23	2.36
17.90	7.76	4.94	2.88	20.50	8.09	5.24	2.35
17.95	7.76	4.94	2.84	20.55	8.09	5.24	2.35
18.00	7.77	4.95	2.81	20.60	8.10	5.25	2.35
18.05	7.78	4.96	2.77	20.65	8.10	5.25	2.33
18.10	7.78	4.96	2.75	20.70	8.11	5.26	2.32
18.15	7.79	4.97	2.74	20.75	8.11	5.26	2.31

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.27	2.30	23.40	8.38	5.51	1.88
20.85	8.13	5.27	2.29	23.45	8.39	5.51	1.86
20.90	8.13	5.28	2.28	23.50	8.39	5.52	1.85
20.95	8.14	5.28	2.27	23.55	8.40	5.52	1.83
21.00	8.14	5.29	2.27	23.60	8.40	5.53	1.83
21.05	8.15	5.29	2.26	23.65	8.41	5.53	1.83
21.10	8.15	5.30	2.25	23.70	8.41	5.53	1.83
21.15	8.16	5.30	2.24	23.75	8.42	5.54	1.81
21.20	8.16	5.31	2.23	23.80	8.42	5.54	1.80
21.25	8.17	5.31	2.23	23.85	8.42	5.55	1.78
21.30	8.18	5.32	2.23	23.90	8.43	5.55	1.79
21.35	8.18	5.32	2.21	23.95	8.43	5.55	2.08
21.40	8.19	5.33	2.20	24.00	8.44	5.56	2.15
21.45	8.19	5.33	2.19	24.05	8.44	5.56	0.69
21.50	8.20	5.34	2.18	24.10	8.44	5.56	0.04
21.55	8.20	5.34	2.17	24.15	8.44	5.56	0.00
21.60	8.21	5.35	2.17	24.20	8.44	5.56	0.00
21.65	8.21	5.35	2.16	24.25	8.44	5.56	0.00
21.70	8.22	5.36	2.15	24.30	8.44	5.56	0.00
21.75	8.22	5.36	2.15	24.35	8.44	5.56	0.00
21.80	8.23	5.37	2.15	24.40	8.44	5.56	0.00
21.85	8.23	5.37	2.13	24.45	8.44	5.56	0.00
21.90	8.24	5.38	2.12	24.50	8.44	5.56	0.00
21.95	8.24	5.38	2.11	24.55	8.44	5.56	0.00
22.00	8.25	5.39	2.10	24.60	8.44	5.56	0.00
22.05	8.25	5.39	2.09	24.65	8.44	5.56	0.00
22.10	8.26	5.39	2.08	24.70	8.44	5.56	0.00
22.15	8.26	5.40	2.08	24.75	8.44	5.56	0.00
22.20	8.27	5.40	2.08	24.80	8.44	5.56	0.00
22.25	8.27	5.41	2.06	24.85	8.44	5.56	0.00
22.30	8.28	5.41	2.05	24.90	8.44	5.56	0.00
22.35	8.28	5.42	2.04	24.95	8.44	5.56	0.00
22.40	8.29	5.42	2.03	25.00	8.44	5.56	0.00
22.45	8.29	5.43	2.02	25.05	8.44	5.56	0.00
22.50	8.30	5.43	2.02	25.10	8.44	5.56	0.00
22.55	8.30	5.44	2.02	25.15	8.44	5.56	0.00
22.60	8.31	5.44	2.02	25.20	8.44	5.56	0.00
22.65	8.31	5.44	1.99	25.25	8.44	5.56	0.00
22.70	8.32	5.45	1.98	25.30	8.44	5.56	0.00
22.75	8.32	5.45	1.97	25.35	8.44	5.56	0.00
22.80	8.33	5.46	1.97	25.40	8.44	5.56	0.00
22.85	8.33	5.46	1.95	25.45	8.44	5.56	0.00
22.90	8.34	5.47	1.95	25.50	8.44	5.56	0.00
22.95	8.34	5.47	1.95	25.55	8.44	5.56	0.00
23.00	8.35	5.48	1.95	25.60	8.44	5.56	0.00
23.05	8.35	5.48	1.92	25.65	8.44	5.56	0.00
23.10	8.36	5.48	1.91	25.70	8.44	5.56	0.00
23.15	8.36	5.49	1.90	25.75	8.44	5.56	0.00
23.20	8.37	5.49	1.90	25.80	8.44	5.56	0.00
23.25	8.37	5.50	1.89	25.85	8.44	5.56	0.00
23.30	8.38	5.50	1.88	25.90	8.44	5.56	0.00
23.35	8.38	5.51	1.88	25.95	8.44	5.56	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.56	0.00	28.60	8.44	5.56	0.00
26.05	8.44	5.56	0.00	28.65	8.44	5.56	0.00
26.10	8.44	5.56	0.00	28.70	8.44	5.56	0.00
26.15	8.44	5.56	0.00	28.75	8.44	5.56	0.00
26.20	8.44	5.56	0.00	28.80	8.44	5.56	0.00
26.25	8.44	5.56	0.00	28.85	8.44	5.56	0.00
26.30	8.44	5.56	0.00	28.90	8.44	5.56	0.00
26.35	8.44	5.56	0.00	28.95	8.44	5.56	0.00
26.40	8.44	5.56	0.00	29.00	8.44	5.56	0.00
26.45	8.44	5.56	0.00	29.05	8.44	5.56	0.00
26.50	8.44	5.56	0.00	29.10	8.44	5.56	0.00
26.55	8.44	5.56	0.00	29.15	8.44	5.56	0.00
26.60	8.44	5.56	0.00	29.20	8.44	5.56	0.00
26.65	8.44	5.56	0.00	29.25	8.44	5.56	0.00
26.70	8.44	5.56	0.00	29.30	8.44	5.56	0.00
26.75	8.44	5.56	0.00	29.35	8.44	5.56	0.00
26.80	8.44	5.56	0.00	29.40	8.44	5.56	0.00
26.85	8.44	5.56	0.00	29.45	8.44	5.56	0.00
26.90	8.44	5.56	0.00	29.50	8.44	5.56	0.00
26.95	8.44	5.56	0.00	29.55	8.44	5.56	0.00
27.00	8.44	5.56	0.00	29.60	8.44	5.56	0.00
27.05	8.44	5.56	0.00	29.65	8.44	5.56	0.00
27.10	8.44	5.56	0.00	29.70	8.44	5.56	0.00
27.15	8.44	5.56	0.00	29.75	8.44	5.56	0.00
27.20	8.44	5.56	0.00	29.80	8.44	5.56	0.00
27.25	8.44	5.56	0.00	29.85	8.44	5.56	0.00
27.30	8.44	5.56	0.00	29.90	8.44	5.56	0.00
27.35	8.44	5.56	0.00	29.95	8.44	5.56	0.00
27.40	8.44	5.56	0.00	30.00	8.44	5.56	0.00
27.45	8.44	5.56	0.00	30.05	8.44	5.56	0.00
27.50	8.44	5.56	0.00	30.10	8.44	5.56	0.00
27.55	8.44	5.56	0.00	30.15	8.44	5.56	0.00
27.60	8.44	5.56	0.00	30.20	8.44	5.56	0.00
27.65	8.44	5.56	0.00	30.25	8.44	5.56	0.00
27.70	8.44	5.56	0.00	30.30	8.44	5.56	0.00
27.75	8.44	5.56	0.00	30.35	8.44	5.56	0.00
27.80	8.44	5.56	0.00	30.40	8.44	5.56	0.00
27.85	8.44	5.56	0.00	30.45	8.44	5.56	0.00
27.90	8.44	5.56	0.00	30.50	8.44	5.56	0.00
27.95	8.44	5.56	0.00	30.55	8.44	5.56	0.00
28.00	8.44	5.56	0.00	30.60	8.44	5.56	0.00
28.05	8.44	5.56	0.00	30.65	8.44	5.56	0.00
28.10	8.44	5.56	0.00	30.70	8.44	5.56	0.00
28.15	8.44	5.56	0.00	30.75	8.44	5.56	0.00
28.20	8.44	5.56	0.00	30.80	8.44	5.56	0.00
28.25	8.44	5.56	0.00	30.85	8.44	5.56	0.00
28.30	8.44	5.56	0.00	30.90	8.44	5.56	0.00
28.35	8.44	5.56	0.00	30.95	8.44	5.56	0.00
28.40	8.44	5.56	0.00	31.00	8.44	5.56	0.00
28.45	8.44	5.56	0.00	31.05	8.44	5.56	0.00
28.50	8.44	5.56	0.00	31.10	8.44	5.56	0.00
28.55	8.44	5.56	0.00	31.15	8.44	5.56	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.56	0.00	33.80	8.44	5.56	0.00
31.25	8.44	5.56	0.00	33.85	8.44	5.56	0.00
31.30	8.44	5.56	0.00	33.90	8.44	5.56	0.00
31.35	8.44	5.56	0.00	33.95	8.44	5.56	0.00
31.40	8.44	5.56	0.00	34.00	8.44	5.56	0.00
31.45	8.44	5.56	0.00	34.05	8.44	5.56	0.00
31.50	8.44	5.56	0.00	34.10	8.44	5.56	0.00
31.55	8.44	5.56	0.00	34.15	8.44	5.56	0.00
31.60	8.44	5.56	0.00	34.20	8.44	5.56	0.00
31.65	8.44	5.56	0.00	34.25	8.44	5.56	0.00
31.70	8.44	5.56	0.00	34.30	8.44	5.56	0.00
31.75	8.44	5.56	0.00	34.35	8.44	5.56	0.00
31.80	8.44	5.56	0.00	34.40	8.44	5.56	0.00
31.85	8.44	5.56	0.00	34.45	8.44	5.56	0.00
31.90	8.44	5.56	0.00	34.50	8.44	5.56	0.00
31.95	8.44	5.56	0.00	34.55	8.44	5.56	0.00
32.00	8.44	5.56	0.00	34.60	8.44	5.56	0.00
32.05	8.44	5.56	0.00	34.65	8.44	5.56	0.00
32.10	8.44	5.56	0.00	34.70	8.44	5.56	0.00
32.15	8.44	5.56	0.00	34.75	8.44	5.56	0.00
32.20	8.44	5.56	0.00	34.80	8.44	5.56	0.00
32.25	8.44	5.56	0.00	34.85	8.44	5.56	0.00
32.30	8.44	5.56	0.00	34.90	8.44	5.56	0.00
32.35	8.44	5.56	0.00	34.95	8.44	5.56	0.00
32.40	8.44	5.56	0.00	35.00	8.44	5.56	0.00
32.45	8.44	5.56	0.00	35.05	8.44	5.56	0.00
32.50	8.44	5.56	0.00	35.10	8.44	5.56	0.00
32.55	8.44	5.56	0.00	35.15	8.44	5.56	0.00
32.60	8.44	5.56	0.00	35.20	8.44	5.56	0.00
32.65	8.44	5.56	0.00	35.25	8.44	5.56	0.00
32.70	8.44	5.56	0.00	35.30	8.44	5.56	0.00
32.75	8.44	5.56	0.00	35.35	8.44	5.56	0.00
32.80	8.44	5.56	0.00	35.40	8.44	5.56	0.00
32.85	8.44	5.56	0.00	35.45	8.44	5.56	0.00
32.90	8.44	5.56	0.00	35.50	8.44	5.56	0.00
32.95	8.44	5.56	0.00	35.55	8.44	5.56	0.00
33.00	8.44	5.56	0.00	35.60	8.44	5.56	0.00
33.05	8.44	5.56	0.00	35.65	8.44	5.56	0.00
33.10	8.44	5.56	0.00	35.70	8.44	5.56	0.00
33.15	8.44	5.56	0.00	35.75	8.44	5.56	0.00
33.20	8.44	5.56	0.00	35.80	8.44	5.56	0.00
33.25	8.44	5.56	0.00	35.85	8.44	5.56	0.00
33.30	8.44	5.56	0.00	35.90	8.44	5.56	0.00
33.35	8.44	5.56	0.00	35.95	8.44	5.56	0.00
33.40	8.44	5.56	0.00	36.00	8.44	5.56	0.00
33.45	8.44	5.56	0.00	36.05	8.44	5.56	0.00
33.50	8.44	5.56	0.00	36.10	8.44	5.56	0.00
33.55	8.44	5.56	0.00	36.15	8.44	5.56	0.00
33.60	8.44	5.56	0.00	36.20	8.44	5.56	0.00
33.65	8.44	5.56	0.00	36.25	8.44	5.56	0.00
33.70	8.44	5.56	0.00	36.30	8.44	5.56	0.00
33.75	8.44	5.56	0.00	36.35	8.44	5.56	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.56	0.00	39.00	8.44	5.56	0.00
36.45	8.44	5.56	0.00	39.05	8.44	5.56	0.00
36.50	8.44	5.56	0.00	39.10	8.44	5.56	0.00
36.55	8.44	5.56	0.00	39.15	8.44	5.56	0.00
36.60	8.44	5.56	0.00	39.20	8.44	5.56	0.00
36.65	8.44	5.56	0.00	39.25	8.44	5.56	0.00
36.70	8.44	5.56	0.00	39.30	8.44	5.56	0.00
36.75	8.44	5.56	0.00	39.35	8.44	5.56	0.00
36.80	8.44	5.56	0.00	39.40	8.44	5.56	0.00
36.85	8.44	5.56	0.00	39.45	8.44	5.56	0.00
36.90	8.44	5.56	0.00	39.50	8.44	5.56	0.00
36.95	8.44	5.56	0.00	39.55	8.44	5.56	0.00
37.00	8.44	5.56	0.00	39.60	8.44	5.56	0.00
37.05	8.44	5.56	0.00	39.65	8.44	5.56	0.00
37.10	8.44	5.56	0.00	39.70	8.44	5.56	0.00
37.15	8.44	5.56	0.00	39.75	8.44	5.56	0.00
37.20	8.44	5.56	0.00	39.80	8.44	5.56	0.00
37.25	8.44	5.56	0.00	39.85	8.44	5.56	0.00
37.30	8.44	5.56	0.00	39.90	8.44	5.56	0.00
37.35	8.44	5.56	0.00	39.95	8.44	5.56	0.00
37.40	8.44	5.56	0.00	40.00	8.44	5.56	0.00
37.45	8.44	5.56	0.00				
37.50	8.44	5.56	0.00				
37.55	8.44	5.56	0.00				
37.60	8.44	5.56	0.00				
37.65	8.44	5.56	0.00				
37.70	8.44	5.56	0.00				
37.75	8.44	5.56	0.00				
37.80	8.44	5.56	0.00				
37.85	8.44	5.56	0.00				
37.90	8.44	5.56	0.00				
37.95	8.44	5.56	0.00				
38.00	8.44	5.56	0.00				
38.05	8.44	5.56	0.00				
38.10	8.44	5.56	0.00				
38.15	8.44	5.56	0.00				
38.20	8.44	5.56	0.00				
38.25	8.44	5.56	0.00				
38.30	8.44	5.56	0.00				
38.35	8.44	5.56	0.00				
38.40	8.44	5.56	0.00				
38.45	8.44	5.56	0.00				
38.50	8.44	5.56	0.00				
38.55	8.44	5.56	0.00				
38.60	8.44	5.56	0.00				
38.65	8.44	5.56	0.00				
38.70	8.44	5.56	0.00				
38.75	8.44	5.56	0.00				
38.80	8.44	5.56	0.00				
38.85	8.44	5.56	0.00				
38.90	8.44	5.56	0.00				
38.95	8.44	5.56	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 151.23 cfs @ 12.17 hrs, Volume= 11.297 af, Depth= 4.49"

Routed to Link XDA-4 : Existing Drainage Area #4

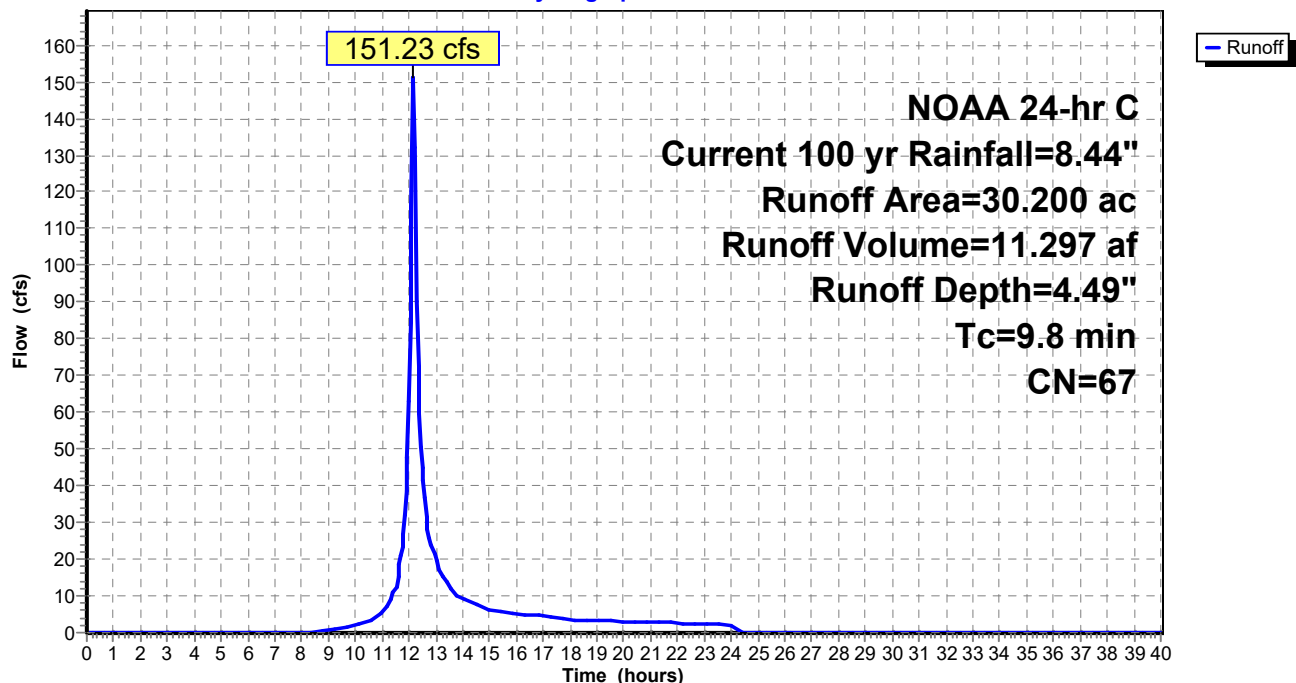
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.01
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.07
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.09
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.12
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.15
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.17
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.20
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.23
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.26
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.29
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.32
6.05	0.68	0.00	0.00	8.65	1.15	0.01	0.35
6.10	0.68	0.00	0.00	8.70	1.16	0.01	0.38
6.15	0.69	0.00	0.00	8.75	1.17	0.01	0.41
6.20	0.70	0.00	0.00	8.80	1.19	0.01	0.44
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.47
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.51
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.54
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.57
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.61
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.65
6.55	0.75	0.00	0.00	9.15	1.27	0.02	0.69
6.60	0.76	0.00	0.00	9.20	1.28	0.02	0.74
6.65	0.77	0.00	0.00	9.25	1.30	0.02	0.80
6.70	0.77	0.00	0.00	9.30	1.31	0.02	0.85
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.91
6.80	0.79	0.00	0.00	9.40	1.34	0.02	0.97
6.85	0.80	0.00	0.00	9.45	1.35	0.03	1.03
6.90	0.81	0.00	0.00	9.50	1.37	0.03	1.09
6.95	0.81	0.00	0.00	9.55	1.39	0.03	1.16
7.00	0.82	0.00	0.00	9.60	1.40	0.03	1.23
7.05	0.83	0.00	0.00	9.65	1.42	0.03	1.30
7.10	0.84	0.00	0.00	9.70	1.43	0.04	1.38
7.15	0.85	0.00	0.00	9.75	1.45	0.04	1.45
7.20	0.86	0.00	0.00	9.80	1.47	0.04	1.53
7.25	0.87	0.00	0.00	9.85	1.49	0.05	1.61
7.30	0.88	0.00	0.00	9.90	1.50	0.05	1.70
7.35	0.89	0.00	0.00	9.95	1.52	0.05	1.79
7.40	0.89	0.00	0.00	10.00	1.54	0.06	1.88
7.45	0.90	0.00	0.00	10.05	1.56	0.06	1.97
7.50	0.91	0.00	0.00	10.10	1.58	0.06	2.06
7.55	0.92	0.00	0.00	10.15	1.60	0.07	2.16
7.60	0.93	0.00	0.00	10.20	1.62	0.07	2.26
7.65	0.94	0.00	0.00	10.25	1.64	0.08	2.36
7.70	0.95	0.00	0.00	10.30	1.66	0.08	2.47
7.75	0.96	0.00	0.00	10.35	1.68	0.09	2.57

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.09	2.68	13.00	6.41	2.85	19.93
10.45	1.72	0.09	2.79	13.05	6.45	2.87	18.92
10.50	1.74	0.10	2.91	13.10	6.48	2.90	17.89
10.55	1.76	0.11	3.04	13.15	6.51	2.92	16.89
10.60	1.79	0.11	3.22	13.20	6.54	2.95	16.06
10.65	1.81	0.12	3.44	13.25	6.57	2.97	15.38
10.70	1.84	0.13	3.70	13.30	6.60	2.99	14.77
10.75	1.87	0.13	3.97	13.35	6.63	3.01	14.19
10.80	1.90	0.14	4.27	13.40	6.65	3.03	13.62
10.85	1.93	0.15	4.57	13.45	6.68	3.05	13.06
10.90	1.96	0.16	4.90	13.50	6.70	3.07	12.49
10.95	1.99	0.17	5.23	13.55	6.72	3.09	11.93
11.00	2.03	0.18	5.59	13.60	6.74	3.10	11.37
11.05	2.06	0.19	5.97	13.65	6.76	3.12	10.84
11.10	2.10	0.21	6.44	13.70	6.78	3.14	10.45
11.15	2.14	0.22	6.99	13.75	6.80	3.15	10.18
11.20	2.19	0.24	7.60	13.80	6.82	3.17	9.98
11.25	2.23	0.25	8.25	13.85	6.84	3.18	9.81
11.30	2.28	0.27	8.95	13.90	6.86	3.20	9.66
11.35	2.33	0.29	9.67	13.95	6.88	3.21	9.52
11.40	2.38	0.31	10.43	14.00	6.90	3.23	9.37
11.45	2.44	0.33	11.22	14.05	6.92	3.24	9.22
11.50	2.49	0.35	12.00	14.10	6.94	3.26	9.08
11.55	2.58	0.39	13.00	14.15	6.95	3.27	8.93
11.60	2.66	0.43	15.25	14.20	6.97	3.29	8.79
11.65	2.75	0.47	18.40	14.25	6.99	3.30	8.65
11.70	2.84	0.51	21.10	14.30	7.01	3.31	8.50
11.75	2.97	0.57	23.41	14.35	7.02	3.32	8.35
11.80	3.09	0.63	26.95	14.40	7.04	3.34	8.20
11.85	3.26	0.72	31.91	14.45	7.05	3.35	8.05
11.90	3.43	0.81	38.68	14.50	7.07	3.36	7.91
11.95	3.73	0.98	47.86	14.55	7.09	3.37	7.76
12.00	4.02	1.16	62.99	14.60	7.10	3.39	7.62
12.05	4.52	1.47	84.40	14.65	7.11	3.40	7.46
12.10	5.01	1.81	115.92	14.70	7.13	3.41	7.31
12.15	5.18	1.93	147.60	14.75	7.14	3.42	7.16
12.20	5.35	2.05	146.68	14.80	7.16	3.43	7.01
12.25	5.47	2.14	117.77	14.85	7.17	3.44	6.87
12.30	5.60	2.23	90.41	14.90	7.18	3.45	6.72
12.35	5.69	2.30	72.48	14.95	7.19	3.46	6.56
12.40	5.78	2.36	59.82	15.00	7.21	3.47	6.41
12.45	5.86	2.43	50.59	15.05	7.22	3.48	6.26
12.50	5.95	2.49	44.83	15.10	7.23	3.49	6.11
12.55	6.00	2.53	41.28	15.15	7.24	3.50	5.97
12.60	6.06	2.57	36.81	15.20	7.25	3.51	5.87
12.65	6.11	2.61	31.62	15.25	7.27	3.52	5.79
12.70	6.16	2.65	27.93	15.30	7.28	3.53	5.73
12.75	6.21	2.69	25.82	15.35	7.29	3.54	5.69
12.80	6.25	2.72	24.32	15.40	7.30	3.55	5.65
12.85	6.30	2.76	23.11	15.45	7.31	3.56	5.62
12.90	6.34	2.79	22.01	15.50	7.32	3.57	5.58
12.95	6.38	2.82	20.97	15.55	7.33	3.57	5.53

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.58	5.49	18.20	7.80	3.95	3.42
15.65	7.36	3.59	5.46	18.25	7.80	3.96	3.40
15.70	7.37	3.60	5.42	18.30	7.81	3.97	3.39
15.75	7.38	3.61	5.38	18.35	7.82	3.97	3.38
15.80	7.39	3.62	5.33	18.40	7.82	3.98	3.37
15.85	7.40	3.63	5.29	18.45	7.83	3.98	3.36
15.90	7.41	3.64	5.26	18.50	7.84	3.99	3.35
15.95	7.42	3.64	5.22	18.55	7.84	3.99	3.34
16.00	7.43	3.65	5.18	18.60	7.85	4.00	3.33
16.05	7.44	3.66	5.14	18.65	7.86	4.00	3.32
16.10	7.45	3.67	5.10	18.70	7.86	4.01	3.31
16.15	7.46	3.68	5.07	18.75	7.87	4.01	3.30
16.20	7.47	3.68	5.03	18.80	7.88	4.02	3.29
16.25	7.48	3.69	4.99	18.85	7.88	4.03	3.28
16.30	7.49	3.70	4.95	18.90	7.89	4.03	3.27
16.35	7.50	3.71	4.90	18.95	7.90	4.04	3.26
16.40	7.51	3.72	4.86	19.00	7.90	4.04	3.25
16.45	7.52	3.72	4.83	19.05	7.91	4.05	3.24
16.50	7.53	3.73	4.79	19.10	7.92	4.05	3.23
16.55	7.54	3.74	4.74	19.15	7.92	4.06	3.22
16.60	7.55	3.75	4.70	19.20	7.93	4.06	3.21
16.65	7.55	3.75	4.67	19.25	7.93	4.07	3.20
16.70	7.56	3.76	4.63	19.30	7.94	4.07	3.19
16.75	7.57	3.77	4.59	19.35	7.95	4.08	3.18
16.80	7.58	3.78	4.55	19.40	7.95	4.08	3.17
16.85	7.59	3.78	4.50	19.45	7.96	4.09	3.16
16.90	7.60	3.79	4.46	19.50	7.97	4.09	3.15
16.95	7.61	3.80	4.43	19.55	7.97	4.10	3.14
17.00	7.62	3.81	4.39	19.60	7.98	4.10	3.13
17.05	7.63	3.81	4.35	19.65	7.98	4.11	3.12
17.10	7.63	3.82	4.31	19.70	7.99	4.11	3.11
17.15	7.64	3.83	4.27	19.75	8.00	4.12	3.10
17.20	7.65	3.83	4.23	19.80	8.00	4.12	3.10
17.25	7.66	3.84	4.19	19.85	8.01	4.13	3.09
17.30	7.67	3.85	4.14	19.90	8.01	4.13	3.08
17.35	7.67	3.85	4.10	19.95	8.02	4.14	3.07
17.40	7.68	3.86	4.05	20.00	8.03	4.14	3.05
17.45	7.69	3.87	4.02	20.05	8.03	4.15	3.04
17.50	7.70	3.87	3.98	20.10	8.04	4.15	3.03
17.55	7.71	3.88	3.94	20.15	8.04	4.16	3.02
17.60	7.71	3.88	3.90	20.20	8.05	4.16	3.01
17.65	7.72	3.89	3.86	20.25	8.06	4.17	3.00
17.70	7.73	3.90	3.82	20.30	8.06	4.17	2.99
17.75	7.74	3.90	3.78	20.35	8.07	4.18	2.98
17.80	7.74	3.91	3.74	20.40	8.07	4.18	2.97
17.85	7.75	3.91	3.70	20.45	8.08	4.19	2.96
17.90	7.76	3.92	3.66	20.50	8.09	4.19	2.95
17.95	7.76	3.93	3.62	20.55	8.09	4.20	2.94
18.00	7.77	3.93	3.57	20.60	8.10	4.20	2.94
18.05	7.78	3.94	3.53	20.65	8.10	4.21	2.93
18.10	7.78	3.94	3.49	20.70	8.11	4.21	2.92
18.15	7.79	3.95	3.45	20.75	8.11	4.22	2.91

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.22	2.89	23.40	8.38	4.44	2.36
20.85	8.13	4.23	2.88	23.45	8.39	4.45	2.35
20.90	8.13	4.23	2.87	23.50	8.39	4.45	2.34
20.95	8.14	4.23	2.86	23.55	8.40	4.45	2.33
21.00	8.14	4.24	2.85	23.60	8.40	4.46	2.32
21.05	8.15	4.24	2.84	23.65	8.41	4.46	2.30
21.10	8.15	4.25	2.83	23.70	8.41	4.47	2.30
21.15	8.16	4.25	2.82	23.75	8.42	4.47	2.29
21.20	8.16	4.26	2.81	23.80	8.42	4.47	2.28
21.25	8.17	4.26	2.80	23.85	8.42	4.48	2.27
21.30	8.18	4.27	2.79	23.90	8.43	4.48	2.25
21.35	8.18	4.27	2.79	23.95	8.43	4.48	2.26
21.40	8.19	4.28	2.78	24.00	8.44	4.49	2.37
21.45	8.19	4.28	2.76	24.05	8.44	4.49	2.44
21.50	8.20	4.29	2.75	24.10	8.44	4.49	1.98
21.55	8.20	4.29	2.74	24.15	8.44	4.49	1.14
21.60	8.21	4.29	2.73	24.20	8.44	4.49	0.54
21.65	8.21	4.30	2.72	24.25	8.44	4.49	0.25
21.70	8.22	4.30	2.71	24.30	8.44	4.49	0.12
21.75	8.22	4.31	2.70	24.35	8.44	4.49	0.05
21.80	8.23	4.31	2.69	24.40	8.44	4.49	0.02
21.85	8.23	4.32	2.69	24.45	8.44	4.49	0.01
21.90	8.24	4.32	2.68	24.50	8.44	4.49	0.00
21.95	8.24	4.32	2.66	24.55	8.44	4.49	0.00
22.00	8.25	4.33	2.65	24.60	8.44	4.49	0.00
22.05	8.25	4.33	2.64	24.65	8.44	4.49	0.00
22.10	8.26	4.34	2.62	24.70	8.44	4.49	0.00
22.15	8.26	4.34	2.61	24.75	8.44	4.49	0.00
22.20	8.27	4.35	2.61	24.80	8.44	4.49	0.00
22.25	8.27	4.35	2.60	24.85	8.44	4.49	0.00
22.30	8.28	4.35	2.59	24.90	8.44	4.49	0.00
22.35	8.28	4.36	2.58	24.95	8.44	4.49	0.00
22.40	8.29	4.36	2.57	25.00	8.44	4.49	0.00
22.45	8.29	4.37	2.55	25.05	8.44	4.49	0.00
22.50	8.30	4.37	2.54	25.10	8.44	4.49	0.00
22.55	8.30	4.38	2.53	25.15	8.44	4.49	0.00
22.60	8.31	4.38	2.53	25.20	8.44	4.49	0.00
22.65	8.31	4.38	2.52	25.25	8.44	4.49	0.00
22.70	8.32	4.39	2.51	25.30	8.44	4.49	0.00
22.75	8.32	4.39	2.50	25.35	8.44	4.49	0.00
22.80	8.33	4.40	2.48	25.40	8.44	4.49	0.00
22.85	8.33	4.40	2.47	25.45	8.44	4.49	0.00
22.90	8.34	4.40	2.46	25.50	8.44	4.49	0.00
22.95	8.34	4.41	2.45	25.55	8.44	4.49	0.00
23.00	8.35	4.41	2.44	25.60	8.44	4.49	0.00
23.05	8.35	4.42	2.44	25.65	8.44	4.49	0.00
23.10	8.36	4.42	2.43	25.70	8.44	4.49	0.00
23.15	8.36	4.42	2.41	25.75	8.44	4.49	0.00
23.20	8.37	4.43	2.40	25.80	8.44	4.49	0.00
23.25	8.37	4.43	2.39	25.85	8.44	4.49	0.00
23.30	8.38	4.43	2.37	25.90	8.44	4.49	0.00
23.35	8.38	4.44	2.36	25.95	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.49	0.00	28.60	8.44	4.49	0.00
26.05	8.44	4.49	0.00	28.65	8.44	4.49	0.00
26.10	8.44	4.49	0.00	28.70	8.44	4.49	0.00
26.15	8.44	4.49	0.00	28.75	8.44	4.49	0.00
26.20	8.44	4.49	0.00	28.80	8.44	4.49	0.00
26.25	8.44	4.49	0.00	28.85	8.44	4.49	0.00
26.30	8.44	4.49	0.00	28.90	8.44	4.49	0.00
26.35	8.44	4.49	0.00	28.95	8.44	4.49	0.00
26.40	8.44	4.49	0.00	29.00	8.44	4.49	0.00
26.45	8.44	4.49	0.00	29.05	8.44	4.49	0.00
26.50	8.44	4.49	0.00	29.10	8.44	4.49	0.00
26.55	8.44	4.49	0.00	29.15	8.44	4.49	0.00
26.60	8.44	4.49	0.00	29.20	8.44	4.49	0.00
26.65	8.44	4.49	0.00	29.25	8.44	4.49	0.00
26.70	8.44	4.49	0.00	29.30	8.44	4.49	0.00
26.75	8.44	4.49	0.00	29.35	8.44	4.49	0.00
26.80	8.44	4.49	0.00	29.40	8.44	4.49	0.00
26.85	8.44	4.49	0.00	29.45	8.44	4.49	0.00
26.90	8.44	4.49	0.00	29.50	8.44	4.49	0.00
26.95	8.44	4.49	0.00	29.55	8.44	4.49	0.00
27.00	8.44	4.49	0.00	29.60	8.44	4.49	0.00
27.05	8.44	4.49	0.00	29.65	8.44	4.49	0.00
27.10	8.44	4.49	0.00	29.70	8.44	4.49	0.00
27.15	8.44	4.49	0.00	29.75	8.44	4.49	0.00
27.20	8.44	4.49	0.00	29.80	8.44	4.49	0.00
27.25	8.44	4.49	0.00	29.85	8.44	4.49	0.00
27.30	8.44	4.49	0.00	29.90	8.44	4.49	0.00
27.35	8.44	4.49	0.00	29.95	8.44	4.49	0.00
27.40	8.44	4.49	0.00	30.00	8.44	4.49	0.00
27.45	8.44	4.49	0.00	30.05	8.44	4.49	0.00
27.50	8.44	4.49	0.00	30.10	8.44	4.49	0.00
27.55	8.44	4.49	0.00	30.15	8.44	4.49	0.00
27.60	8.44	4.49	0.00	30.20	8.44	4.49	0.00
27.65	8.44	4.49	0.00	30.25	8.44	4.49	0.00
27.70	8.44	4.49	0.00	30.30	8.44	4.49	0.00
27.75	8.44	4.49	0.00	30.35	8.44	4.49	0.00
27.80	8.44	4.49	0.00	30.40	8.44	4.49	0.00
27.85	8.44	4.49	0.00	30.45	8.44	4.49	0.00
27.90	8.44	4.49	0.00	30.50	8.44	4.49	0.00
27.95	8.44	4.49	0.00	30.55	8.44	4.49	0.00
28.00	8.44	4.49	0.00	30.60	8.44	4.49	0.00
28.05	8.44	4.49	0.00	30.65	8.44	4.49	0.00
28.10	8.44	4.49	0.00	30.70	8.44	4.49	0.00
28.15	8.44	4.49	0.00	30.75	8.44	4.49	0.00
28.20	8.44	4.49	0.00	30.80	8.44	4.49	0.00
28.25	8.44	4.49	0.00	30.85	8.44	4.49	0.00
28.30	8.44	4.49	0.00	30.90	8.44	4.49	0.00
28.35	8.44	4.49	0.00	30.95	8.44	4.49	0.00
28.40	8.44	4.49	0.00	31.00	8.44	4.49	0.00
28.45	8.44	4.49	0.00	31.05	8.44	4.49	0.00
28.50	8.44	4.49	0.00	31.10	8.44	4.49	0.00
28.55	8.44	4.49	0.00	31.15	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.49	0.00	33.80	8.44	4.49	0.00
31.25	8.44	4.49	0.00	33.85	8.44	4.49	0.00
31.30	8.44	4.49	0.00	33.90	8.44	4.49	0.00
31.35	8.44	4.49	0.00	33.95	8.44	4.49	0.00
31.40	8.44	4.49	0.00	34.00	8.44	4.49	0.00
31.45	8.44	4.49	0.00	34.05	8.44	4.49	0.00
31.50	8.44	4.49	0.00	34.10	8.44	4.49	0.00
31.55	8.44	4.49	0.00	34.15	8.44	4.49	0.00
31.60	8.44	4.49	0.00	34.20	8.44	4.49	0.00
31.65	8.44	4.49	0.00	34.25	8.44	4.49	0.00
31.70	8.44	4.49	0.00	34.30	8.44	4.49	0.00
31.75	8.44	4.49	0.00	34.35	8.44	4.49	0.00
31.80	8.44	4.49	0.00	34.40	8.44	4.49	0.00
31.85	8.44	4.49	0.00	34.45	8.44	4.49	0.00
31.90	8.44	4.49	0.00	34.50	8.44	4.49	0.00
31.95	8.44	4.49	0.00	34.55	8.44	4.49	0.00
32.00	8.44	4.49	0.00	34.60	8.44	4.49	0.00
32.05	8.44	4.49	0.00	34.65	8.44	4.49	0.00
32.10	8.44	4.49	0.00	34.70	8.44	4.49	0.00
32.15	8.44	4.49	0.00	34.75	8.44	4.49	0.00
32.20	8.44	4.49	0.00	34.80	8.44	4.49	0.00
32.25	8.44	4.49	0.00	34.85	8.44	4.49	0.00
32.30	8.44	4.49	0.00	34.90	8.44	4.49	0.00
32.35	8.44	4.49	0.00	34.95	8.44	4.49	0.00
32.40	8.44	4.49	0.00	35.00	8.44	4.49	0.00
32.45	8.44	4.49	0.00	35.05	8.44	4.49	0.00
32.50	8.44	4.49	0.00	35.10	8.44	4.49	0.00
32.55	8.44	4.49	0.00	35.15	8.44	4.49	0.00
32.60	8.44	4.49	0.00	35.20	8.44	4.49	0.00
32.65	8.44	4.49	0.00	35.25	8.44	4.49	0.00
32.70	8.44	4.49	0.00	35.30	8.44	4.49	0.00
32.75	8.44	4.49	0.00	35.35	8.44	4.49	0.00
32.80	8.44	4.49	0.00	35.40	8.44	4.49	0.00
32.85	8.44	4.49	0.00	35.45	8.44	4.49	0.00
32.90	8.44	4.49	0.00	35.50	8.44	4.49	0.00
32.95	8.44	4.49	0.00	35.55	8.44	4.49	0.00
33.00	8.44	4.49	0.00	35.60	8.44	4.49	0.00
33.05	8.44	4.49	0.00	35.65	8.44	4.49	0.00
33.10	8.44	4.49	0.00	35.70	8.44	4.49	0.00
33.15	8.44	4.49	0.00	35.75	8.44	4.49	0.00
33.20	8.44	4.49	0.00	35.80	8.44	4.49	0.00
33.25	8.44	4.49	0.00	35.85	8.44	4.49	0.00
33.30	8.44	4.49	0.00	35.90	8.44	4.49	0.00
33.35	8.44	4.49	0.00	35.95	8.44	4.49	0.00
33.40	8.44	4.49	0.00	36.00	8.44	4.49	0.00
33.45	8.44	4.49	0.00	36.05	8.44	4.49	0.00
33.50	8.44	4.49	0.00	36.10	8.44	4.49	0.00
33.55	8.44	4.49	0.00	36.15	8.44	4.49	0.00
33.60	8.44	4.49	0.00	36.20	8.44	4.49	0.00
33.65	8.44	4.49	0.00	36.25	8.44	4.49	0.00
33.70	8.44	4.49	0.00	36.30	8.44	4.49	0.00
33.75	8.44	4.49	0.00	36.35	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.49	0.00	39.00	8.44	4.49	0.00
36.45	8.44	4.49	0.00	39.05	8.44	4.49	0.00
36.50	8.44	4.49	0.00	39.10	8.44	4.49	0.00
36.55	8.44	4.49	0.00	39.15	8.44	4.49	0.00
36.60	8.44	4.49	0.00	39.20	8.44	4.49	0.00
36.65	8.44	4.49	0.00	39.25	8.44	4.49	0.00
36.70	8.44	4.49	0.00	39.30	8.44	4.49	0.00
36.75	8.44	4.49	0.00	39.35	8.44	4.49	0.00
36.80	8.44	4.49	0.00	39.40	8.44	4.49	0.00
36.85	8.44	4.49	0.00	39.45	8.44	4.49	0.00
36.90	8.44	4.49	0.00	39.50	8.44	4.49	0.00
36.95	8.44	4.49	0.00	39.55	8.44	4.49	0.00
37.00	8.44	4.49	0.00	39.60	8.44	4.49	0.00
37.05	8.44	4.49	0.00	39.65	8.44	4.49	0.00
37.10	8.44	4.49	0.00	39.70	8.44	4.49	0.00
37.15	8.44	4.49	0.00	39.75	8.44	4.49	0.00
37.20	8.44	4.49	0.00	39.80	8.44	4.49	0.00
37.25	8.44	4.49	0.00	39.85	8.44	4.49	0.00
37.30	8.44	4.49	0.00	39.90	8.44	4.49	0.00
37.35	8.44	4.49	0.00	39.95	8.44	4.49	0.00
37.40	8.44	4.49	0.00	40.00	8.44	4.49	0.00
37.45	8.44	4.49	0.00				
37.50	8.44	4.49	0.00				
37.55	8.44	4.49	0.00				
37.60	8.44	4.49	0.00				
37.65	8.44	4.49	0.00				
37.70	8.44	4.49	0.00				
37.75	8.44	4.49	0.00				
37.80	8.44	4.49	0.00				
37.85	8.44	4.49	0.00				
37.90	8.44	4.49	0.00				
37.95	8.44	4.49	0.00				
38.00	8.44	4.49	0.00				
38.05	8.44	4.49	0.00				
38.10	8.44	4.49	0.00				
38.15	8.44	4.49	0.00				
38.20	8.44	4.49	0.00				
38.25	8.44	4.49	0.00				
38.30	8.44	4.49	0.00				
38.35	8.44	4.49	0.00				
38.40	8.44	4.49	0.00				
38.45	8.44	4.49	0.00				
38.50	8.44	4.49	0.00				
38.55	8.44	4.49	0.00				
38.60	8.44	4.49	0.00				
38.65	8.44	4.49	0.00				
38.70	8.44	4.49	0.00				
38.75	8.44	4.49	0.00				
38.80	8.44	4.49	0.00				
38.85	8.44	4.49	0.00				
38.90	8.44	4.49	0.00				
38.95	8.44	4.49	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 54.62 cfs @ 12.16 hrs, Volume= 3.971 af, Depth= 5.44"

Routed to Link XDA-5 : Existing Drainage Area #5

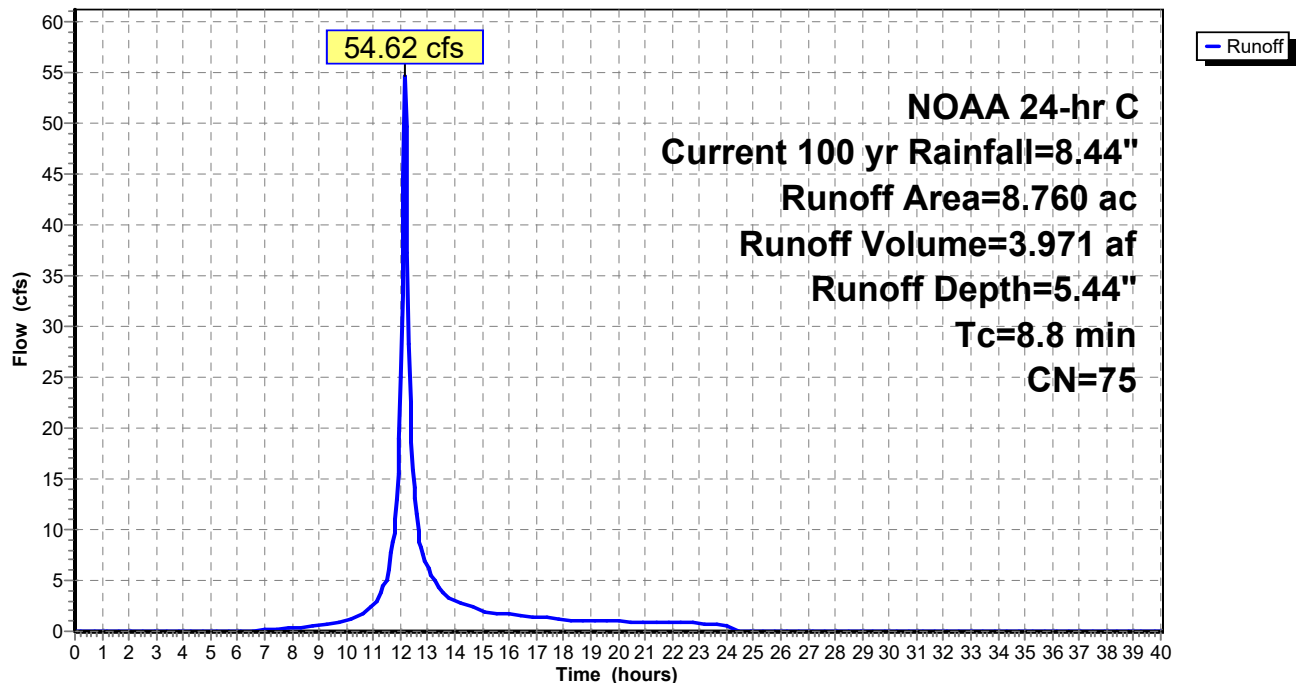
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.03	0.25
5.25	0.57	0.00	0.00	7.85	0.98	0.03	0.26
5.30	0.58	0.00	0.00	7.90	0.99	0.03	0.27
5.35	0.58	0.00	0.00	7.95	1.00	0.03	0.28
5.40	0.59	0.00	0.00	8.00	1.01	0.03	0.29
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.30
5.50	0.60	0.00	0.00	8.10	1.03	0.04	0.32
5.55	0.61	0.00	0.00	8.15	1.04	0.04	0.33
5.60	0.62	0.00	0.00	8.20	1.05	0.04	0.34
5.65	0.62	0.00	0.00	8.25	1.06	0.04	0.35
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.36
5.75	0.64	0.00	0.00	8.35	1.08	0.05	0.37
5.80	0.64	0.00	0.00	8.40	1.10	0.05	0.38
5.85	0.65	0.00	0.00	8.45	1.11	0.05	0.39
5.90	0.66	0.00	0.00	8.50	1.12	0.05	0.41
5.95	0.66	0.00	0.00	8.55	1.13	0.06	0.42
6.00	0.67	0.00	0.00	8.60	1.14	0.06	0.43
6.05	0.68	0.00	0.00	8.65	1.15	0.06	0.44
6.10	0.68	0.00	0.00	8.70	1.16	0.06	0.45
6.15	0.69	0.00	0.00	8.75	1.17	0.07	0.47
6.20	0.70	0.00	0.01	8.80	1.19	0.07	0.48
6.25	0.70	0.00	0.01	8.85	1.20	0.07	0.49
6.30	0.71	0.00	0.02	8.90	1.21	0.08	0.50
6.35	0.72	0.00	0.02	8.95	1.22	0.08	0.52
6.40	0.73	0.00	0.03	9.00	1.23	0.08	0.53
6.45	0.73	0.00	0.04	9.05	1.25	0.09	0.55
6.50	0.74	0.00	0.04	9.10	1.26	0.09	0.56
6.55	0.75	0.00	0.05	9.15	1.27	0.09	0.59
6.60	0.76	0.00	0.06	9.20	1.28	0.10	0.61
6.65	0.77	0.00	0.06	9.25	1.30	0.10	0.64
6.70	0.77	0.00	0.07	9.30	1.31	0.10	0.66
6.75	0.78	0.00	0.08	9.35	1.33	0.11	0.69
6.80	0.79	0.00	0.08	9.40	1.34	0.11	0.72
6.85	0.80	0.00	0.09	9.45	1.35	0.12	0.75
6.90	0.81	0.01	0.10	9.50	1.37	0.12	0.78
6.95	0.81	0.01	0.10	9.55	1.39	0.13	0.81
7.00	0.82	0.01	0.11	9.60	1.40	0.13	0.84
7.05	0.83	0.01	0.12	9.65	1.42	0.14	0.87
7.10	0.84	0.01	0.13	9.70	1.43	0.14	0.90
7.15	0.85	0.01	0.14	9.75	1.45	0.15	0.94
7.20	0.86	0.01	0.14	9.80	1.47	0.16	0.97
7.25	0.87	0.01	0.15	9.85	1.49	0.16	1.00
7.30	0.88	0.01	0.16	9.90	1.50	0.17	1.04
7.35	0.89	0.01	0.17	9.95	1.52	0.17	1.08
7.40	0.89	0.01	0.18	10.00	1.54	0.18	1.11
7.45	0.90	0.02	0.19	10.05	1.56	0.19	1.15
7.50	0.91	0.02	0.20	10.10	1.58	0.20	1.19
7.55	0.92	0.02	0.20	10.15	1.60	0.20	1.22
7.60	0.93	0.02	0.21	10.20	1.62	0.21	1.26
7.65	0.94	0.02	0.22	10.25	1.64	0.22	1.31
7.70	0.95	0.02	0.23	10.30	1.66	0.23	1.35
7.75	0.96	0.02	0.24	10.35	1.68	0.23	1.39

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.24	1.43	13.00	6.41	3.64	6.38
10.45	1.72	0.25	1.47	13.05	6.45	3.67	6.04
10.50	1.74	0.26	1.51	13.10	6.48	3.70	5.70
10.55	1.76	0.27	1.57	13.15	6.51	3.72	5.38
10.60	1.79	0.28	1.65	13.20	6.54	3.75	5.12
10.65	1.81	0.29	1.75	13.25	6.57	3.77	4.91
10.70	1.84	0.31	1.86	13.30	6.60	3.80	4.72
10.75	1.87	0.32	1.98	13.35	6.63	3.82	4.53
10.80	1.90	0.33	2.10	13.40	6.65	3.85	4.34
10.85	1.93	0.35	2.23	13.45	6.68	3.87	4.16
10.90	1.96	0.36	2.36	13.50	6.70	3.89	3.98
10.95	1.99	0.38	2.50	13.55	6.72	3.91	3.79
11.00	2.03	0.39	2.64	13.60	6.74	3.92	3.61
11.05	2.06	0.41	2.79	13.65	6.76	3.94	3.44
11.10	2.10	0.43	2.99	13.70	6.78	3.96	3.33
11.15	2.14	0.45	3.21	13.75	6.80	3.98	3.25
11.20	2.19	0.48	3.46	13.80	6.82	4.00	3.19
11.25	2.23	0.50	3.72	13.85	6.84	4.01	3.14
11.30	2.28	0.53	3.99	13.90	6.86	4.03	3.09
11.35	2.33	0.55	4.27	13.95	6.88	4.05	3.05
11.40	2.38	0.58	4.56	14.00	6.90	4.06	3.00
11.45	2.44	0.62	4.84	14.05	6.92	4.08	2.95
11.50	2.49	0.65	5.12	14.10	6.94	4.09	2.90
11.55	2.58	0.70	5.53	14.15	6.95	4.11	2.85
11.60	2.66	0.75	6.56	14.20	6.97	4.13	2.81
11.65	2.75	0.80	7.83	14.25	6.99	4.14	2.76
11.70	2.84	0.86	8.75	14.30	7.01	4.15	2.71
11.75	2.97	0.94	9.56	14.35	7.02	4.17	2.66
11.80	3.09	1.02	10.99	14.40	7.04	4.18	2.61
11.85	3.26	1.14	12.91	14.45	7.05	4.20	2.57
11.90	3.43	1.25	15.53	14.50	7.07	4.21	2.52
11.95	3.73	1.47	19.01	14.55	7.09	4.22	2.47
12.00	4.02	1.68	25.00	14.60	7.10	4.24	2.42
12.05	4.52	2.06	33.06	14.65	7.11	4.25	2.37
12.10	5.01	2.46	44.62	14.70	7.13	4.26	2.32
12.15	5.18	2.59	54.40	14.75	7.14	4.28	2.28
12.20	5.35	2.74	49.63	14.80	7.16	4.29	2.23
12.25	5.47	2.84	37.28	14.85	7.17	4.30	2.18
12.30	5.60	2.94	28.20	14.90	7.18	4.31	2.13
12.35	5.69	3.02	22.57	14.95	7.19	4.32	2.08
12.40	5.78	3.09	18.61	15.00	7.21	4.33	2.03
12.45	5.86	3.16	15.80	15.05	7.22	4.34	1.98
12.50	5.95	3.24	14.20	15.10	7.23	4.35	1.94
12.55	6.00	3.28	13.15	15.15	7.24	4.36	1.89
12.60	6.06	3.33	11.58	15.20	7.25	4.37	1.86
12.65	6.11	3.37	9.88	15.25	7.27	4.38	1.84
12.70	6.16	3.42	8.83	15.30	7.28	4.39	1.82
12.75	6.21	3.46	8.23	15.35	7.29	4.40	1.81
12.80	6.25	3.50	7.78	15.40	7.30	4.41	1.80
12.85	6.30	3.54	7.41	15.45	7.31	4.42	1.79
12.90	6.34	3.57	7.06	15.50	7.32	4.43	1.77
12.95	6.38	3.61	6.72	15.55	7.33	4.44	1.76

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.45	1.75	18.20	7.80	4.86	1.08
15.65	7.36	4.46	1.74	18.25	7.80	4.87	1.08
15.70	7.37	4.47	1.72	18.30	7.81	4.87	1.07
15.75	7.38	4.48	1.71	18.35	7.82	4.88	1.07
15.80	7.39	4.49	1.69	18.40	7.82	4.88	1.06
15.85	7.40	4.50	1.68	18.45	7.83	4.89	1.06
15.90	7.41	4.51	1.67	18.50	7.84	4.90	1.06
15.95	7.42	4.52	1.66	18.55	7.84	4.90	1.05
16.00	7.43	4.53	1.65	18.60	7.85	4.91	1.05
16.05	7.44	4.54	1.63	18.65	7.86	4.91	1.05
16.10	7.45	4.55	1.62	18.70	7.86	4.92	1.05
16.15	7.46	4.56	1.61	18.75	7.87	4.93	1.04
16.20	7.47	4.57	1.60	18.80	7.88	4.93	1.04
16.25	7.48	4.57	1.58	18.85	7.88	4.94	1.04
16.30	7.49	4.58	1.57	18.90	7.89	4.94	1.03
16.35	7.50	4.59	1.55	18.95	7.90	4.95	1.03
16.40	7.51	4.60	1.54	19.00	7.90	4.95	1.03
16.45	7.52	4.61	1.53	19.05	7.91	4.96	1.02
16.50	7.53	4.62	1.52	19.10	7.92	4.97	1.02
16.55	7.54	4.63	1.50	19.15	7.92	4.97	1.02
16.60	7.55	4.63	1.49	19.20	7.93	4.98	1.01
16.65	7.55	4.64	1.48	19.25	7.93	4.98	1.01
16.70	7.56	4.65	1.47	19.30	7.94	4.99	1.01
16.75	7.57	4.66	1.45	19.35	7.95	4.99	1.00
16.80	7.58	4.67	1.44	19.40	7.95	5.00	1.00
16.85	7.59	4.67	1.43	19.45	7.96	5.01	1.00
16.90	7.60	4.68	1.41	19.50	7.97	5.01	0.99
16.95	7.61	4.69	1.40	19.55	7.97	5.02	0.99
17.00	7.62	4.70	1.39	19.60	7.98	5.02	0.99
17.05	7.63	4.70	1.38	19.65	7.98	5.03	0.98
17.10	7.63	4.71	1.36	19.70	7.99	5.03	0.98
17.15	7.64	4.72	1.35	19.75	8.00	5.04	0.98
17.20	7.65	4.73	1.34	19.80	8.00	5.04	0.98
17.25	7.66	4.73	1.32	19.85	8.01	5.05	0.97
17.30	7.67	4.74	1.31	19.90	8.01	5.06	0.97
17.35	7.67	4.75	1.29	19.95	8.02	5.06	0.97
17.40	7.68	4.76	1.28	20.00	8.03	5.07	0.96
17.45	7.69	4.76	1.27	20.05	8.03	5.07	0.96
17.50	7.70	4.77	1.26	20.10	8.04	5.08	0.95
17.55	7.71	4.78	1.25	20.15	8.04	5.08	0.95
17.60	7.71	4.78	1.23	20.20	8.05	5.09	0.95
17.65	7.72	4.79	1.22	20.25	8.06	5.09	0.95
17.70	7.73	4.80	1.21	20.30	8.06	5.10	0.94
17.75	7.74	4.80	1.19	20.35	8.07	5.10	0.94
17.80	7.74	4.81	1.18	20.40	8.07	5.11	0.94
17.85	7.75	4.82	1.17	20.45	8.08	5.11	0.93
17.90	7.76	4.82	1.15	20.50	8.09	5.12	0.93
17.95	7.76	4.83	1.14	20.55	8.09	5.12	0.93
18.00	7.77	4.84	1.13	20.60	8.10	5.13	0.92
18.05	7.78	4.84	1.11	20.65	8.10	5.13	0.92
18.10	7.78	4.85	1.10	20.70	8.11	5.14	0.92
18.15	7.79	4.85	1.09	20.75	8.11	5.14	0.91

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.15	0.91	23.40	8.38	5.39	0.74
20.85	8.13	5.16	0.91	23.45	8.39	5.39	0.74
20.90	8.13	5.16	0.90	23.50	8.39	5.40	0.73
20.95	8.14	5.17	0.90	23.55	8.40	5.40	0.73
21.00	8.14	5.17	0.90	23.60	8.40	5.41	0.73
21.05	8.15	5.18	0.89	23.65	8.41	5.41	0.72
21.10	8.15	5.18	0.89	23.70	8.41	5.41	0.72
21.15	8.16	5.19	0.89	23.75	8.42	5.42	0.72
21.20	8.16	5.19	0.88	23.80	8.42	5.42	0.71
21.25	8.17	5.20	0.88	23.85	8.42	5.43	0.71
21.30	8.18	5.20	0.88	23.90	8.43	5.43	0.71
21.35	8.18	5.20	0.88	23.95	8.43	5.44	0.71
21.40	8.19	5.21	0.87	24.00	8.44	5.44	0.75
21.45	8.19	5.21	0.87	24.05	8.44	5.44	0.77
21.50	8.20	5.22	0.86	24.10	8.44	5.44	0.57
21.55	8.20	5.22	0.86	24.15	8.44	5.44	0.28
21.60	8.21	5.23	0.86	24.20	8.44	5.44	0.12
21.65	8.21	5.23	0.85	24.25	8.44	5.44	0.05
21.70	8.22	5.24	0.85	24.30	8.44	5.44	0.02
21.75	8.22	5.24	0.85	24.35	8.44	5.44	0.01
21.80	8.23	5.25	0.85	24.40	8.44	5.44	0.00
21.85	8.23	5.25	0.84	24.45	8.44	5.44	0.00
21.90	8.24	5.26	0.84	24.50	8.44	5.44	0.00
21.95	8.24	5.26	0.84	24.55	8.44	5.44	0.00
22.00	8.25	5.27	0.83	24.60	8.44	5.44	0.00
22.05	8.25	5.27	0.83	24.65	8.44	5.44	0.00
22.10	8.26	5.28	0.82	24.70	8.44	5.44	0.00
22.15	8.26	5.28	0.82	24.75	8.44	5.44	0.00
22.20	8.27	5.29	0.82	24.80	8.44	5.44	0.00
22.25	8.27	5.29	0.82	24.85	8.44	5.44	0.00
22.30	8.28	5.29	0.81	24.90	8.44	5.44	0.00
22.35	8.28	5.30	0.81	24.95	8.44	5.44	0.00
22.40	8.29	5.30	0.80	25.00	8.44	5.44	0.00
22.45	8.29	5.31	0.80	25.05	8.44	5.44	0.00
22.50	8.30	5.31	0.80	25.10	8.44	5.44	0.00
22.55	8.30	5.32	0.79	25.15	8.44	5.44	0.00
22.60	8.31	5.32	0.79	25.20	8.44	5.44	0.00
22.65	8.31	5.33	0.79	25.25	8.44	5.44	0.00
22.70	8.32	5.33	0.79	25.30	8.44	5.44	0.00
22.75	8.32	5.33	0.78	25.35	8.44	5.44	0.00
22.80	8.33	5.34	0.78	25.40	8.44	5.44	0.00
22.85	8.33	5.34	0.77	25.45	8.44	5.44	0.00
22.90	8.34	5.35	0.77	25.50	8.44	5.44	0.00
22.95	8.34	5.35	0.77	25.55	8.44	5.44	0.00
23.00	8.35	5.36	0.77	25.60	8.44	5.44	0.00
23.05	8.35	5.36	0.77	25.65	8.44	5.44	0.00
23.10	8.36	5.37	0.76	25.70	8.44	5.44	0.00
23.15	8.36	5.37	0.76	25.75	8.44	5.44	0.00
23.20	8.37	5.37	0.75	25.80	8.44	5.44	0.00
23.25	8.37	5.38	0.75	25.85	8.44	5.44	0.00
23.30	8.38	5.38	0.74	25.90	8.44	5.44	0.00
23.35	8.38	5.39	0.74	25.95	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.44	0.00	28.60	8.44	5.44	0.00
26.05	8.44	5.44	0.00	28.65	8.44	5.44	0.00
26.10	8.44	5.44	0.00	28.70	8.44	5.44	0.00
26.15	8.44	5.44	0.00	28.75	8.44	5.44	0.00
26.20	8.44	5.44	0.00	28.80	8.44	5.44	0.00
26.25	8.44	5.44	0.00	28.85	8.44	5.44	0.00
26.30	8.44	5.44	0.00	28.90	8.44	5.44	0.00
26.35	8.44	5.44	0.00	28.95	8.44	5.44	0.00
26.40	8.44	5.44	0.00	29.00	8.44	5.44	0.00
26.45	8.44	5.44	0.00	29.05	8.44	5.44	0.00
26.50	8.44	5.44	0.00	29.10	8.44	5.44	0.00
26.55	8.44	5.44	0.00	29.15	8.44	5.44	0.00
26.60	8.44	5.44	0.00	29.20	8.44	5.44	0.00
26.65	8.44	5.44	0.00	29.25	8.44	5.44	0.00
26.70	8.44	5.44	0.00	29.30	8.44	5.44	0.00
26.75	8.44	5.44	0.00	29.35	8.44	5.44	0.00
26.80	8.44	5.44	0.00	29.40	8.44	5.44	0.00
26.85	8.44	5.44	0.00	29.45	8.44	5.44	0.00
26.90	8.44	5.44	0.00	29.50	8.44	5.44	0.00
26.95	8.44	5.44	0.00	29.55	8.44	5.44	0.00
27.00	8.44	5.44	0.00	29.60	8.44	5.44	0.00
27.05	8.44	5.44	0.00	29.65	8.44	5.44	0.00
27.10	8.44	5.44	0.00	29.70	8.44	5.44	0.00
27.15	8.44	5.44	0.00	29.75	8.44	5.44	0.00
27.20	8.44	5.44	0.00	29.80	8.44	5.44	0.00
27.25	8.44	5.44	0.00	29.85	8.44	5.44	0.00
27.30	8.44	5.44	0.00	29.90	8.44	5.44	0.00
27.35	8.44	5.44	0.00	29.95	8.44	5.44	0.00
27.40	8.44	5.44	0.00	30.00	8.44	5.44	0.00
27.45	8.44	5.44	0.00	30.05	8.44	5.44	0.00
27.50	8.44	5.44	0.00	30.10	8.44	5.44	0.00
27.55	8.44	5.44	0.00	30.15	8.44	5.44	0.00
27.60	8.44	5.44	0.00	30.20	8.44	5.44	0.00
27.65	8.44	5.44	0.00	30.25	8.44	5.44	0.00
27.70	8.44	5.44	0.00	30.30	8.44	5.44	0.00
27.75	8.44	5.44	0.00	30.35	8.44	5.44	0.00
27.80	8.44	5.44	0.00	30.40	8.44	5.44	0.00
27.85	8.44	5.44	0.00	30.45	8.44	5.44	0.00
27.90	8.44	5.44	0.00	30.50	8.44	5.44	0.00
27.95	8.44	5.44	0.00	30.55	8.44	5.44	0.00
28.00	8.44	5.44	0.00	30.60	8.44	5.44	0.00
28.05	8.44	5.44	0.00	30.65	8.44	5.44	0.00
28.10	8.44	5.44	0.00	30.70	8.44	5.44	0.00
28.15	8.44	5.44	0.00	30.75	8.44	5.44	0.00
28.20	8.44	5.44	0.00	30.80	8.44	5.44	0.00
28.25	8.44	5.44	0.00	30.85	8.44	5.44	0.00
28.30	8.44	5.44	0.00	30.90	8.44	5.44	0.00
28.35	8.44	5.44	0.00	30.95	8.44	5.44	0.00
28.40	8.44	5.44	0.00	31.00	8.44	5.44	0.00
28.45	8.44	5.44	0.00	31.05	8.44	5.44	0.00
28.50	8.44	5.44	0.00	31.10	8.44	5.44	0.00
28.55	8.44	5.44	0.00	31.15	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.44	0.00	33.80	8.44	5.44	0.00
31.25	8.44	5.44	0.00	33.85	8.44	5.44	0.00
31.30	8.44	5.44	0.00	33.90	8.44	5.44	0.00
31.35	8.44	5.44	0.00	33.95	8.44	5.44	0.00
31.40	8.44	5.44	0.00	34.00	8.44	5.44	0.00
31.45	8.44	5.44	0.00	34.05	8.44	5.44	0.00
31.50	8.44	5.44	0.00	34.10	8.44	5.44	0.00
31.55	8.44	5.44	0.00	34.15	8.44	5.44	0.00
31.60	8.44	5.44	0.00	34.20	8.44	5.44	0.00
31.65	8.44	5.44	0.00	34.25	8.44	5.44	0.00
31.70	8.44	5.44	0.00	34.30	8.44	5.44	0.00
31.75	8.44	5.44	0.00	34.35	8.44	5.44	0.00
31.80	8.44	5.44	0.00	34.40	8.44	5.44	0.00
31.85	8.44	5.44	0.00	34.45	8.44	5.44	0.00
31.90	8.44	5.44	0.00	34.50	8.44	5.44	0.00
31.95	8.44	5.44	0.00	34.55	8.44	5.44	0.00
32.00	8.44	5.44	0.00	34.60	8.44	5.44	0.00
32.05	8.44	5.44	0.00	34.65	8.44	5.44	0.00
32.10	8.44	5.44	0.00	34.70	8.44	5.44	0.00
32.15	8.44	5.44	0.00	34.75	8.44	5.44	0.00
32.20	8.44	5.44	0.00	34.80	8.44	5.44	0.00
32.25	8.44	5.44	0.00	34.85	8.44	5.44	0.00
32.30	8.44	5.44	0.00	34.90	8.44	5.44	0.00
32.35	8.44	5.44	0.00	34.95	8.44	5.44	0.00
32.40	8.44	5.44	0.00	35.00	8.44	5.44	0.00
32.45	8.44	5.44	0.00	35.05	8.44	5.44	0.00
32.50	8.44	5.44	0.00	35.10	8.44	5.44	0.00
32.55	8.44	5.44	0.00	35.15	8.44	5.44	0.00
32.60	8.44	5.44	0.00	35.20	8.44	5.44	0.00
32.65	8.44	5.44	0.00	35.25	8.44	5.44	0.00
32.70	8.44	5.44	0.00	35.30	8.44	5.44	0.00
32.75	8.44	5.44	0.00	35.35	8.44	5.44	0.00
32.80	8.44	5.44	0.00	35.40	8.44	5.44	0.00
32.85	8.44	5.44	0.00	35.45	8.44	5.44	0.00
32.90	8.44	5.44	0.00	35.50	8.44	5.44	0.00
32.95	8.44	5.44	0.00	35.55	8.44	5.44	0.00
33.00	8.44	5.44	0.00	35.60	8.44	5.44	0.00
33.05	8.44	5.44	0.00	35.65	8.44	5.44	0.00
33.10	8.44	5.44	0.00	35.70	8.44	5.44	0.00
33.15	8.44	5.44	0.00	35.75	8.44	5.44	0.00
33.20	8.44	5.44	0.00	35.80	8.44	5.44	0.00
33.25	8.44	5.44	0.00	35.85	8.44	5.44	0.00
33.30	8.44	5.44	0.00	35.90	8.44	5.44	0.00
33.35	8.44	5.44	0.00	35.95	8.44	5.44	0.00
33.40	8.44	5.44	0.00	36.00	8.44	5.44	0.00
33.45	8.44	5.44	0.00	36.05	8.44	5.44	0.00
33.50	8.44	5.44	0.00	36.10	8.44	5.44	0.00
33.55	8.44	5.44	0.00	36.15	8.44	5.44	0.00
33.60	8.44	5.44	0.00	36.20	8.44	5.44	0.00
33.65	8.44	5.44	0.00	36.25	8.44	5.44	0.00
33.70	8.44	5.44	0.00	36.30	8.44	5.44	0.00
33.75	8.44	5.44	0.00	36.35	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.44	0.00	39.00	8.44	5.44	0.00
36.45	8.44	5.44	0.00	39.05	8.44	5.44	0.00
36.50	8.44	5.44	0.00	39.10	8.44	5.44	0.00
36.55	8.44	5.44	0.00	39.15	8.44	5.44	0.00
36.60	8.44	5.44	0.00	39.20	8.44	5.44	0.00
36.65	8.44	5.44	0.00	39.25	8.44	5.44	0.00
36.70	8.44	5.44	0.00	39.30	8.44	5.44	0.00
36.75	8.44	5.44	0.00	39.35	8.44	5.44	0.00
36.80	8.44	5.44	0.00	39.40	8.44	5.44	0.00
36.85	8.44	5.44	0.00	39.45	8.44	5.44	0.00
36.90	8.44	5.44	0.00	39.50	8.44	5.44	0.00
36.95	8.44	5.44	0.00	39.55	8.44	5.44	0.00
37.00	8.44	5.44	0.00	39.60	8.44	5.44	0.00
37.05	8.44	5.44	0.00	39.65	8.44	5.44	0.00
37.10	8.44	5.44	0.00	39.70	8.44	5.44	0.00
37.15	8.44	5.44	0.00	39.75	8.44	5.44	0.00
37.20	8.44	5.44	0.00	39.80	8.44	5.44	0.00
37.25	8.44	5.44	0.00	39.85	8.44	5.44	0.00
37.30	8.44	5.44	0.00	39.90	8.44	5.44	0.00
37.35	8.44	5.44	0.00	39.95	8.44	5.44	0.00
37.40	8.44	5.44	0.00	40.00	8.44	5.44	0.00
37.45	8.44	5.44	0.00				
37.50	8.44	5.44	0.00				
37.55	8.44	5.44	0.00				
37.60	8.44	5.44	0.00				
37.65	8.44	5.44	0.00				
37.70	8.44	5.44	0.00				
37.75	8.44	5.44	0.00				
37.80	8.44	5.44	0.00				
37.85	8.44	5.44	0.00				
37.90	8.44	5.44	0.00				
37.95	8.44	5.44	0.00				
38.00	8.44	5.44	0.00				
38.05	8.44	5.44	0.00				
38.10	8.44	5.44	0.00				
38.15	8.44	5.44	0.00				
38.20	8.44	5.44	0.00				
38.25	8.44	5.44	0.00				
38.30	8.44	5.44	0.00				
38.35	8.44	5.44	0.00				
38.40	8.44	5.44	0.00				
38.45	8.44	5.44	0.00				
38.50	8.44	5.44	0.00				
38.55	8.44	5.44	0.00				
38.60	8.44	5.44	0.00				
38.65	8.44	5.44	0.00				
38.70	8.44	5.44	0.00				
38.75	8.44	5.44	0.00				
38.80	8.44	5.44	0.00				
38.85	8.44	5.44	0.00				
38.90	8.44	5.44	0.00				
38.95	8.44	5.44	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 6.11 cfs @ 12.16 hrs, Volume= 0.519 af, Depth= 8.20"
Routed to Link XDA-6O : XDA-6O

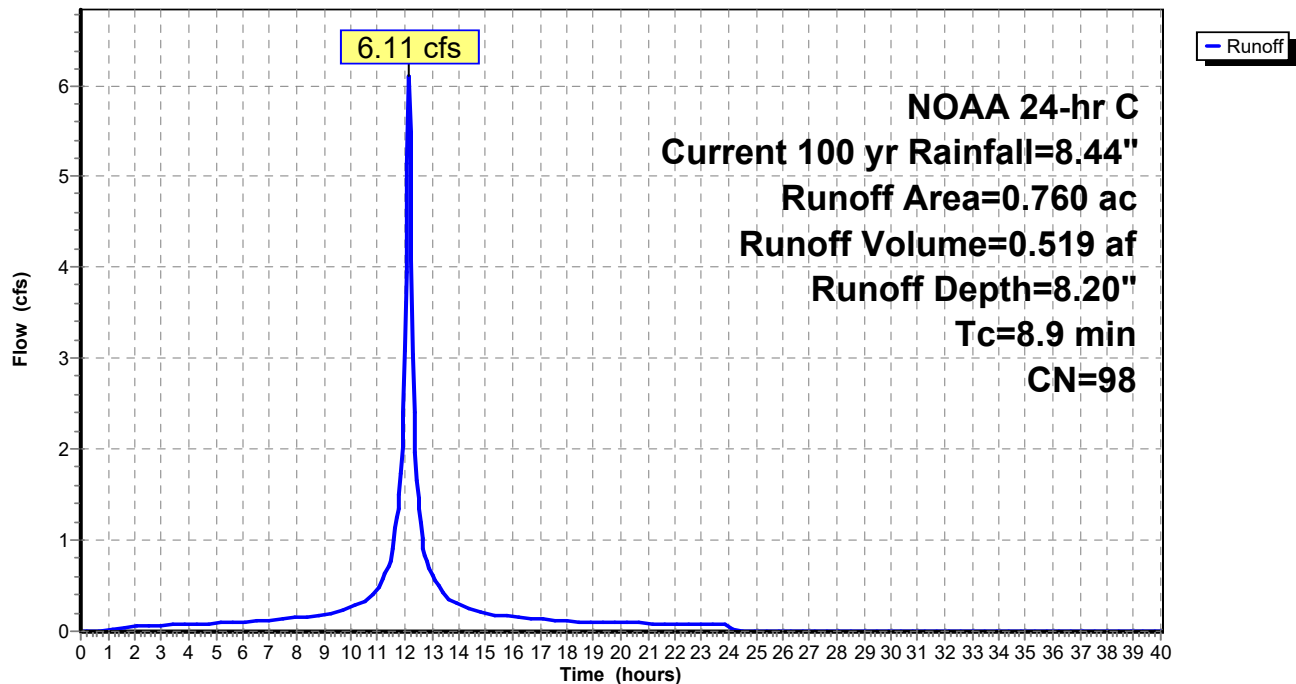
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.07
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.07
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.07
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.07
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.07
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.07
0.65	0.06	0.00	0.00	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.07
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.08
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.08
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.08
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.08
1.30	0.12	0.02	0.03	3.90	0.40	0.23	0.08
1.35	0.13	0.02	0.03	3.95	0.41	0.24	0.08
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.08
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.08
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.08
1.55	0.15	0.04	0.04	4.15	0.43	0.26	0.08
1.60	0.15	0.04	0.04	4.20	0.44	0.26	0.08
1.65	0.16	0.04	0.04	4.25	0.44	0.27	0.08
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.08
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.08
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.05	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.05	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.05	4.65	0.49	0.31	0.09
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.09
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.09
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.09
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.09
2.30	0.22	0.09	0.06	4.90	0.52	0.34	0.09
2.35	0.23	0.09	0.06	4.95	0.53	0.35	0.09
2.40	0.23	0.09	0.06	5.00	0.54	0.35	0.09
2.45	0.24	0.10	0.06	5.05	0.54	0.36	0.09
2.50	0.24	0.10	0.06	5.10	0.55	0.36	0.09
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.09

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.09	7.80	0.97	0.76	0.14
5.25	0.57	0.38	0.09	7.85	0.98	0.77	0.14
5.30	0.58	0.39	0.09	7.90	0.99	0.78	0.15
5.35	0.58	0.39	0.09	7.95	1.00	0.79	0.15
5.40	0.59	0.40	0.09	8.00	1.01	0.80	0.15
5.45	0.60	0.41	0.09	8.05	1.02	0.81	0.15
5.50	0.60	0.41	0.09	8.10	1.03	0.82	0.15
5.55	0.61	0.42	0.09	8.15	1.04	0.83	0.15
5.60	0.62	0.42	0.09	8.20	1.05	0.84	0.15
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.16
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.16
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.16
5.80	0.64	0.45	0.10	8.40	1.10	0.88	0.16
5.85	0.65	0.45	0.10	8.45	1.11	0.89	0.16
5.90	0.66	0.46	0.10	8.50	1.12	0.91	0.16
5.95	0.66	0.47	0.10	8.55	1.13	0.92	0.16
6.00	0.67	0.47	0.10	8.60	1.14	0.93	0.16
6.05	0.68	0.48	0.10	8.65	1.15	0.94	0.17
6.10	0.68	0.49	0.10	8.70	1.16	0.95	0.17
6.15	0.69	0.49	0.10	8.75	1.17	0.96	0.17
6.20	0.70	0.50	0.10	8.80	1.19	0.97	0.17
6.25	0.70	0.51	0.10	8.85	1.20	0.98	0.17
6.30	0.71	0.51	0.10	8.90	1.21	0.99	0.17
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.17
6.40	0.73	0.53	0.11	9.00	1.23	1.02	0.18
6.45	0.73	0.54	0.11	9.05	1.25	1.03	0.18
6.50	0.74	0.54	0.11	9.10	1.26	1.04	0.18
6.55	0.75	0.55	0.11	9.15	1.27	1.05	0.18
6.60	0.76	0.56	0.11	9.20	1.28	1.07	0.19
6.65	0.77	0.57	0.11	9.25	1.30	1.08	0.19
6.70	0.77	0.57	0.11	9.30	1.31	1.09	0.20
6.75	0.78	0.58	0.12	9.35	1.33	1.11	0.20
6.80	0.79	0.59	0.12	9.40	1.34	1.12	0.21
6.85	0.80	0.60	0.12	9.45	1.35	1.14	0.21
6.90	0.81	0.60	0.12	9.50	1.37	1.15	0.22
6.95	0.81	0.61	0.12	9.55	1.39	1.17	0.22
7.00	0.82	0.62	0.12	9.60	1.40	1.18	0.23
7.05	0.83	0.63	0.12	9.65	1.42	1.20	0.23
7.10	0.84	0.64	0.12	9.70	1.43	1.21	0.24
7.15	0.85	0.65	0.13	9.75	1.45	1.23	0.24
7.20	0.86	0.65	0.13	9.80	1.47	1.25	0.25
7.25	0.87	0.66	0.13	9.85	1.49	1.27	0.25
7.30	0.88	0.67	0.13	9.90	1.50	1.28	0.26
7.35	0.89	0.68	0.13	9.95	1.52	1.30	0.26
7.40	0.89	0.69	0.13	10.00	1.54	1.32	0.27
7.45	0.90	0.70	0.13	10.05	1.56	1.34	0.27
7.50	0.91	0.71	0.14	10.10	1.58	1.36	0.28
7.55	0.92	0.72	0.14	10.15	1.60	1.37	0.28
7.60	0.93	0.73	0.14	10.20	1.62	1.39	0.29
7.65	0.94	0.73	0.14	10.25	1.64	1.41	0.29
7.70	0.95	0.74	0.14	10.30	1.66	1.43	0.30
7.75	0.96	0.75	0.14	10.35	1.68	1.45	0.30

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.30	13.00	6.41	6.18	0.64
10.45	1.72	1.50	0.31	13.05	6.45	6.21	0.61
10.50	1.74	1.52	0.31	13.10	6.48	6.24	0.57
10.55	1.76	1.54	0.32	13.15	6.51	6.27	0.54
10.60	1.79	1.56	0.33	13.20	6.54	6.30	0.51
10.65	1.81	1.59	0.35	13.25	6.57	6.33	0.49
10.70	1.84	1.62	0.37	13.30	6.60	6.36	0.47
10.75	1.87	1.64	0.38	13.35	6.63	6.39	0.45
10.80	1.90	1.67	0.40	13.40	6.65	6.41	0.43
10.85	1.93	1.70	0.42	13.45	6.68	6.44	0.41
10.90	1.96	1.73	0.44	13.50	6.70	6.46	0.40
10.95	1.99	1.77	0.46	13.55	6.72	6.48	0.38
11.00	2.03	1.80	0.48	13.60	6.74	6.50	0.36
11.05	2.06	1.84	0.50	13.65	6.76	6.53	0.34
11.10	2.10	1.87	0.52	13.70	6.78	6.55	0.33
11.15	2.14	1.92	0.55	13.75	6.80	6.57	0.32
11.20	2.19	1.96	0.59	13.80	6.82	6.59	0.32
11.25	2.23	2.01	0.62	13.85	6.84	6.61	0.31
11.30	2.28	2.05	0.66	13.90	6.86	6.62	0.31
11.35	2.33	2.10	0.69	13.95	6.88	6.64	0.30
11.40	2.38	2.16	0.72	14.00	6.90	6.66	0.30
11.45	2.44	2.21	0.76	14.05	6.92	6.68	0.29
11.50	2.49	2.26	0.79	14.10	6.94	6.70	0.29
11.55	2.58	2.35	0.84	14.15	6.95	6.72	0.28
11.60	2.66	2.43	0.97	14.20	6.97	6.73	0.28
11.65	2.75	2.52	1.14	14.25	6.99	6.75	0.27
11.70	2.84	2.61	1.25	14.30	7.01	6.77	0.27
11.75	2.97	2.74	1.34	14.35	7.02	6.78	0.26
11.80	3.09	2.86	1.51	14.40	7.04	6.80	0.26
11.85	3.26	3.03	1.73	14.45	7.05	6.82	0.25
11.90	3.43	3.20	2.03	14.50	7.07	6.83	0.25
11.95	3.73	3.49	2.42	14.55	7.09	6.85	0.24
12.00	4.02	3.79	3.08	14.60	7.10	6.86	0.24
12.05	4.52	4.28	3.94	14.65	7.11	6.88	0.23
12.10	5.01	4.77	5.14	14.70	7.13	6.89	0.23
12.15	5.18	4.94	6.10	14.75	7.14	6.90	0.22
12.20	5.35	5.11	5.49	14.80	7.16	6.92	0.22
12.25	5.47	5.24	4.08	14.85	7.17	6.93	0.21
12.30	5.60	5.36	3.04	14.90	7.18	6.94	0.21
12.35	5.69	5.45	2.40	14.95	7.19	6.96	0.20
12.40	5.78	5.54	1.96	15.00	7.21	6.97	0.20
12.45	5.86	5.62	1.65	15.05	7.22	6.98	0.19
12.50	5.95	5.71	1.47	15.10	7.23	6.99	0.19
12.55	6.00	5.76	1.36	15.15	7.24	7.00	0.19
12.60	6.06	5.82	1.19	15.20	7.25	7.02	0.18
12.65	6.11	5.87	1.01	15.25	7.27	7.03	0.18
12.70	6.16	5.92	0.90	15.30	7.28	7.04	0.18
12.75	6.21	5.97	0.84	15.35	7.29	7.05	0.18
12.80	6.25	6.02	0.79	15.40	7.30	7.06	0.18
12.85	6.30	6.06	0.75	15.45	7.31	7.07	0.17
12.90	6.34	6.10	0.71	15.50	7.32	7.08	0.17
12.95	6.38	6.14	0.68	15.55	7.33	7.09	0.17

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.17	18.20	7.80	7.56	0.10
15.65	7.36	7.12	0.17	18.25	7.80	7.57	0.10
15.70	7.37	7.13	0.17	18.30	7.81	7.57	0.10
15.75	7.38	7.14	0.17	18.35	7.82	7.58	0.10
15.80	7.39	7.15	0.17	18.40	7.82	7.59	0.10
15.85	7.40	7.16	0.16	18.45	7.83	7.59	0.10
15.90	7.41	7.17	0.16	18.50	7.84	7.60	0.10
15.95	7.42	7.18	0.16	18.55	7.84	7.61	0.10
16.00	7.43	7.19	0.16	18.60	7.85	7.61	0.10
16.05	7.44	7.20	0.16	18.65	7.86	7.62	0.10
16.10	7.45	7.21	0.16	18.70	7.86	7.62	0.10
16.15	7.46	7.22	0.16	18.75	7.87	7.63	0.10
16.20	7.47	7.23	0.16	18.80	7.88	7.64	0.10
16.25	7.48	7.24	0.15	18.85	7.88	7.64	0.10
16.30	7.49	7.25	0.15	18.90	7.89	7.65	0.10
16.35	7.50	7.26	0.15	18.95	7.90	7.66	0.10
16.40	7.51	7.27	0.15	19.00	7.90	7.66	0.10
16.45	7.52	7.28	0.15	19.05	7.91	7.67	0.10
16.50	7.53	7.29	0.15	19.10	7.92	7.68	0.10
16.55	7.54	7.30	0.15	19.15	7.92	7.68	0.10
16.60	7.55	7.31	0.14	19.20	7.93	7.69	0.10
16.65	7.55	7.32	0.14	19.25	7.93	7.70	0.10
16.70	7.56	7.32	0.14	19.30	7.94	7.70	0.10
16.75	7.57	7.33	0.14	19.35	7.95	7.71	0.10
16.80	7.58	7.34	0.14	19.40	7.95	7.71	0.10
16.85	7.59	7.35	0.14	19.45	7.96	7.72	0.10
16.90	7.60	7.36	0.14	19.50	7.97	7.73	0.10
16.95	7.61	7.37	0.14	19.55	7.97	7.73	0.10
17.00	7.62	7.38	0.13	19.60	7.98	7.74	0.09
17.05	7.63	7.39	0.13	19.65	7.98	7.74	0.09
17.10	7.63	7.39	0.13	19.70	7.99	7.75	0.09
17.15	7.64	7.40	0.13	19.75	8.00	7.76	0.09
17.20	7.65	7.41	0.13	19.80	8.00	7.76	0.09
17.25	7.66	7.42	0.13	19.85	8.01	7.77	0.09
17.30	7.67	7.43	0.13	19.90	8.01	7.78	0.09
17.35	7.67	7.43	0.13	19.95	8.02	7.78	0.09
17.40	7.68	7.44	0.12	20.00	8.03	7.79	0.09
17.45	7.69	7.45	0.12	20.05	8.03	7.79	0.09
17.50	7.70	7.46	0.12	20.10	8.04	7.80	0.09
17.55	7.71	7.47	0.12	20.15	8.04	7.80	0.09
17.60	7.71	7.47	0.12	20.20	8.05	7.81	0.09
17.65	7.72	7.48	0.12	20.25	8.06	7.82	0.09
17.70	7.73	7.49	0.12	20.30	8.06	7.82	0.09
17.75	7.74	7.50	0.12	20.35	8.07	7.83	0.09
17.80	7.74	7.50	0.11	20.40	8.07	7.83	0.09
17.85	7.75	7.51	0.11	20.45	8.08	7.84	0.09
17.90	7.76	7.52	0.11	20.50	8.09	7.85	0.09
17.95	7.76	7.52	0.11	20.55	8.09	7.85	0.09
18.00	7.77	7.53	0.11	20.60	8.10	7.86	0.09
18.05	7.78	7.54	0.11	20.65	8.10	7.86	0.09
18.10	7.78	7.55	0.11	20.70	8.11	7.87	0.09
18.15	7.79	7.55	0.11	20.75	8.11	7.87	0.09

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.09	23.40	8.38	8.14	0.07
20.85	8.13	7.89	0.09	23.45	8.39	8.15	0.07
20.90	8.13	7.89	0.09	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.09	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.09	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.09	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.08	23.75	8.42	8.18	0.07
21.20	8.16	7.92	0.08	23.80	8.42	8.18	0.07
21.25	8.17	7.93	0.08	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.08	23.90	8.43	8.19	0.07
21.35	8.18	7.94	0.08	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.08	24.00	8.44	8.20	0.07
21.45	8.19	7.95	0.08	24.05	8.44	8.20	0.07
21.50	8.20	7.96	0.08	24.10	8.44	8.20	0.05
21.55	8.20	7.96	0.08	24.15	8.44	8.20	0.03
21.60	8.21	7.97	0.08	24.20	8.44	8.20	0.01
21.65	8.21	7.97	0.08	24.25	8.44	8.20	0.01
21.70	8.22	7.98	0.08	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.08	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.08	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.08	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.08	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.08	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.08	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.08	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.08	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.08	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.08	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.08	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.08	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.08	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.08	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.07	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.07	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.07	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.07	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.07	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.07	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.07	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.07	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.07	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00	39.00	8.44	8.20	0.00
36.45	8.44	8.20	0.00	39.05	8.44	8.20	0.00
36.50	8.44	8.20	0.00	39.10	8.44	8.20	0.00
36.55	8.44	8.20	0.00	39.15	8.44	8.20	0.00
36.60	8.44	8.20	0.00	39.20	8.44	8.20	0.00
36.65	8.44	8.20	0.00	39.25	8.44	8.20	0.00
36.70	8.44	8.20	0.00	39.30	8.44	8.20	0.00
36.75	8.44	8.20	0.00	39.35	8.44	8.20	0.00
36.80	8.44	8.20	0.00	39.40	8.44	8.20	0.00
36.85	8.44	8.20	0.00	39.45	8.44	8.20	0.00
36.90	8.44	8.20	0.00	39.50	8.44	8.20	0.00
36.95	8.44	8.20	0.00	39.55	8.44	8.20	0.00
37.00	8.44	8.20	0.00	39.60	8.44	8.20	0.00
37.05	8.44	8.20	0.00	39.65	8.44	8.20	0.00
37.10	8.44	8.20	0.00	39.70	8.44	8.20	0.00
37.15	8.44	8.20	0.00	39.75	8.44	8.20	0.00
37.20	8.44	8.20	0.00	39.80	8.44	8.20	0.00
37.25	8.44	8.20	0.00	39.85	8.44	8.20	0.00
37.30	8.44	8.20	0.00	39.90	8.44	8.20	0.00
37.35	8.44	8.20	0.00	39.95	8.44	8.20	0.00
37.40	8.44	8.20	0.00	40.00	8.44	8.20	0.00
37.45	8.44	8.20	0.00				
37.50	8.44	8.20	0.00				
37.55	8.44	8.20	0.00				
37.60	8.44	8.20	0.00				
37.65	8.44	8.20	0.00				
37.70	8.44	8.20	0.00				
37.75	8.44	8.20	0.00				
37.80	8.44	8.20	0.00				
37.85	8.44	8.20	0.00				
37.90	8.44	8.20	0.00				
37.95	8.44	8.20	0.00				
38.00	8.44	8.20	0.00				
38.05	8.44	8.20	0.00				
38.10	8.44	8.20	0.00				
38.15	8.44	8.20	0.00				
38.20	8.44	8.20	0.00				
38.25	8.44	8.20	0.00				
38.30	8.44	8.20	0.00				
38.35	8.44	8.20	0.00				
38.40	8.44	8.20	0.00				
38.45	8.44	8.20	0.00				
38.50	8.44	8.20	0.00				
38.55	8.44	8.20	0.00				
38.60	8.44	8.20	0.00				
38.65	8.44	8.20	0.00				
38.70	8.44	8.20	0.00				
38.75	8.44	8.20	0.00				
38.80	8.44	8.20	0.00				
38.85	8.44	8.20	0.00				
38.90	8.44	8.20	0.00				
38.95	8.44	8.20	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 151.46 cfs @ 12.16 hrs, Volume= 10.957 af, Depth= 4.96"

Routed to Link XDA-6 : Existing Drainage Area #6

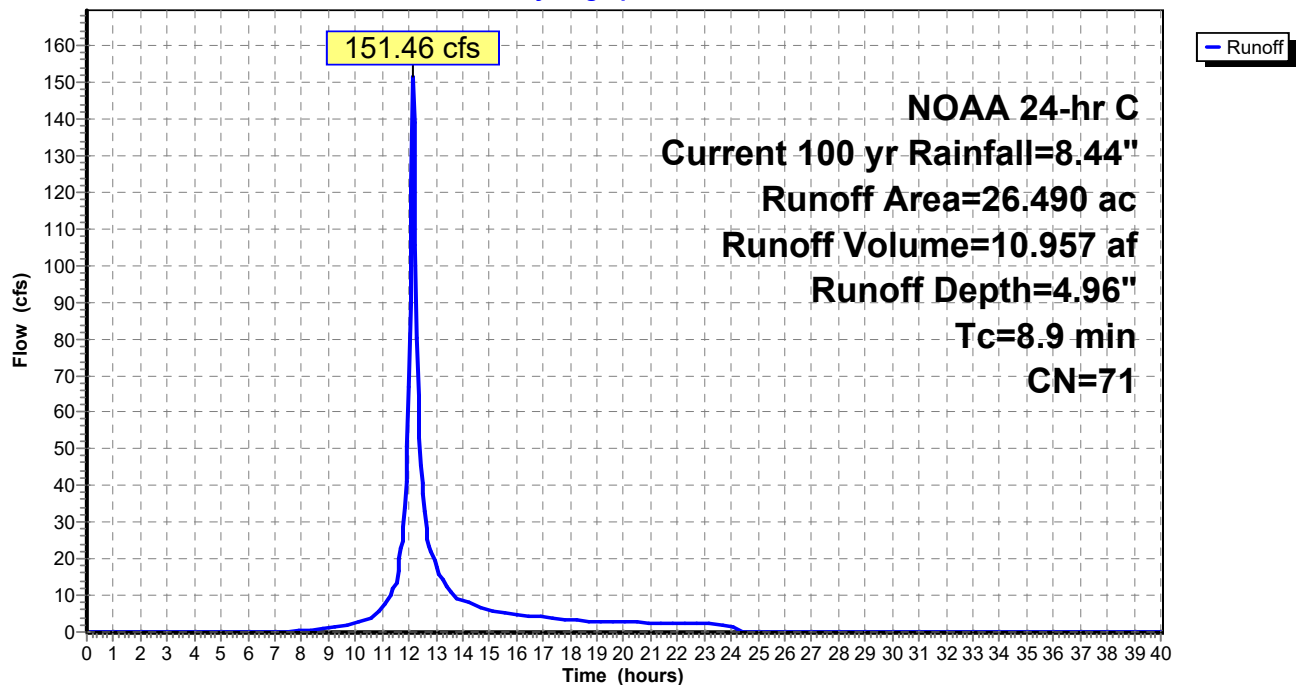
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.01	0.31
5.25	0.57	0.00	0.00	7.85	0.98	0.01	0.33
5.30	0.58	0.00	0.00	7.90	0.99	0.01	0.36
5.35	0.58	0.00	0.00	7.95	1.00	0.01	0.38
5.40	0.59	0.00	0.00	8.00	1.01	0.01	0.41
5.45	0.60	0.00	0.00	8.05	1.02	0.01	0.44
5.50	0.60	0.00	0.00	8.10	1.03	0.01	0.47
5.55	0.61	0.00	0.00	8.15	1.04	0.01	0.49
5.60	0.62	0.00	0.00	8.20	1.05	0.01	0.52
5.65	0.62	0.00	0.00	8.25	1.06	0.01	0.55
5.70	0.63	0.00	0.00	8.30	1.07	0.02	0.58
5.75	0.64	0.00	0.00	8.35	1.08	0.02	0.61
5.80	0.64	0.00	0.00	8.40	1.10	0.02	0.64
5.85	0.65	0.00	0.00	8.45	1.11	0.02	0.67
5.90	0.66	0.00	0.00	8.50	1.12	0.02	0.70
5.95	0.66	0.00	0.00	8.55	1.13	0.02	0.73
6.00	0.67	0.00	0.00	8.60	1.14	0.02	0.76
6.05	0.68	0.00	0.00	8.65	1.15	0.03	0.79
6.10	0.68	0.00	0.00	8.70	1.16	0.03	0.82
6.15	0.69	0.00	0.00	8.75	1.17	0.03	0.86
6.20	0.70	0.00	0.00	8.80	1.19	0.03	0.89
6.25	0.70	0.00	0.00	8.85	1.20	0.03	0.92
6.30	0.71	0.00	0.00	8.90	1.21	0.03	0.96
6.35	0.72	0.00	0.00	8.95	1.22	0.04	0.99
6.40	0.73	0.00	0.00	9.00	1.23	0.04	1.03
6.45	0.73	0.00	0.00	9.05	1.25	0.04	1.06
6.50	0.74	0.00	0.00	9.10	1.26	0.04	1.11
6.55	0.75	0.00	0.00	9.15	1.27	0.05	1.16
6.60	0.76	0.00	0.00	9.20	1.28	0.05	1.22
6.65	0.77	0.00	0.00	9.25	1.30	0.05	1.28
6.70	0.77	0.00	0.00	9.30	1.31	0.05	1.35
6.75	0.78	0.00	0.00	9.35	1.33	0.06	1.41
6.80	0.79	0.00	0.00	9.40	1.34	0.06	1.48
6.85	0.80	0.00	0.00	9.45	1.35	0.06	1.55
6.90	0.81	0.00	0.00	9.50	1.37	0.07	1.62
6.95	0.81	0.00	0.00	9.55	1.39	0.07	1.70
7.00	0.82	0.00	0.00	9.60	1.40	0.07	1.78
7.05	0.83	0.00	0.00	9.65	1.42	0.08	1.86
7.10	0.84	0.00	0.01	9.70	1.43	0.08	1.94
7.15	0.85	0.00	0.02	9.75	1.45	0.09	2.02
7.20	0.86	0.00	0.04	9.80	1.47	0.09	2.11
7.25	0.87	0.00	0.06	9.85	1.49	0.09	2.19
7.30	0.88	0.00	0.08	9.90	1.50	0.10	2.29
7.35	0.89	0.00	0.10	9.95	1.52	0.10	2.38
7.40	0.89	0.00	0.12	10.00	1.54	0.11	2.47
7.45	0.90	0.00	0.14	10.05	1.56	0.11	2.57
7.50	0.91	0.00	0.17	10.10	1.58	0.12	2.67
7.55	0.92	0.00	0.19	10.15	1.60	0.12	2.77
7.60	0.93	0.00	0.21	10.20	1.62	0.13	2.87
7.65	0.94	0.00	0.23	10.25	1.64	0.14	2.98
7.70	0.95	0.00	0.26	10.30	1.66	0.14	3.09
7.75	0.96	0.00	0.28	10.35	1.68	0.15	3.20

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.16	3.31	13.00	6.41	3.24	18.32
10.45	1.72	0.16	3.42	13.05	6.45	3.26	17.38
10.50	1.74	0.17	3.54	13.10	6.48	3.29	16.40
10.55	1.76	0.18	3.68	13.15	6.51	3.32	15.49
10.60	1.79	0.19	3.88	13.20	6.54	3.34	14.75
10.65	1.81	0.20	4.13	13.25	6.57	3.37	14.14
10.70	1.84	0.20	4.42	13.30	6.60	3.39	13.58
10.75	1.87	0.22	4.72	13.35	6.63	3.41	13.05
10.80	1.90	0.23	5.04	13.40	6.65	3.43	12.52
10.85	1.93	0.24	5.37	13.45	6.68	3.45	11.99
10.90	1.96	0.25	5.71	13.50	6.70	3.47	11.47
10.95	1.99	0.26	6.06	13.55	6.72	3.49	10.95
11.00	2.03	0.28	6.43	13.60	6.74	3.51	10.42
11.05	2.06	0.29	6.83	13.65	6.76	3.53	9.94
11.10	2.10	0.31	7.35	13.70	6.78	3.54	9.61
11.15	2.14	0.33	7.94	13.75	6.80	3.56	9.38
11.20	2.19	0.34	8.59	13.80	6.82	3.58	9.21
11.25	2.23	0.36	9.27	13.85	6.84	3.59	9.06
11.30	2.28	0.39	9.99	13.90	6.86	3.61	8.92
11.35	2.33	0.41	10.72	13.95	6.88	3.62	8.79
11.40	2.38	0.43	11.51	14.00	6.90	3.64	8.65
11.45	2.44	0.46	12.29	14.05	6.92	3.66	8.52
11.50	2.49	0.49	13.06	14.10	6.94	3.67	8.37
11.55	2.58	0.53	14.16	14.15	6.95	3.69	8.24
11.60	2.66	0.58	16.83	14.20	6.97	3.70	8.11
11.65	2.75	0.62	20.17	14.25	6.99	3.71	7.98
11.70	2.84	0.67	22.70	14.30	7.01	3.73	7.84
11.75	2.97	0.74	24.96	14.35	7.02	3.74	7.70
11.80	3.09	0.81	28.82	14.40	7.04	3.76	7.55
11.85	3.26	0.92	34.04	14.45	7.05	3.77	7.42
11.90	3.43	1.02	41.17	14.50	7.07	3.78	7.28
11.95	3.73	1.21	50.73	14.55	7.09	3.80	7.15
12.00	4.02	1.41	67.13	14.60	7.10	3.81	7.01
12.05	4.52	1.76	89.53	14.65	7.11	3.82	6.87
12.10	5.01	2.12	121.98	14.70	7.13	3.83	6.72
12.15	5.18	2.25	150.54	14.75	7.14	3.84	6.59
12.20	5.35	2.38	139.17	14.80	7.16	3.86	6.45
12.25	5.47	2.48	105.50	14.85	7.17	3.87	6.32
12.30	5.60	2.58	80.12	14.90	7.18	3.88	6.17
12.35	5.69	2.65	64.29	14.95	7.19	3.89	6.03
12.40	5.78	2.72	53.16	15.00	7.21	3.90	5.89
12.45	5.86	2.79	45.18	15.05	7.22	3.91	5.74
12.50	5.95	2.86	40.61	15.10	7.23	3.92	5.61
12.55	6.00	2.90	37.66	15.15	7.24	3.93	5.48
12.60	6.06	2.94	33.21	15.20	7.25	3.94	5.40
12.65	6.11	2.99	28.36	15.25	7.27	3.95	5.33
12.70	6.16	3.03	25.31	15.30	7.28	3.96	5.28
12.75	6.21	3.07	23.60	15.35	7.29	3.97	5.24
12.80	6.25	3.10	22.33	15.40	7.30	3.98	5.21
12.85	6.30	3.14	21.27	15.45	7.31	3.99	5.18
12.90	6.34	3.17	20.26	15.50	7.32	4.00	5.14
12.95	6.38	3.20	19.30	15.55	7.33	4.01	5.10

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.02	5.06	18.20	7.80	4.40	3.14
15.65	7.36	4.02	5.03	18.25	7.80	4.41	3.13
15.70	7.37	4.03	4.99	18.30	7.81	4.42	3.11
15.75	7.38	4.04	4.95	18.35	7.82	4.42	3.10
15.80	7.39	4.05	4.91	18.40	7.82	4.43	3.09
15.85	7.40	4.06	4.87	18.45	7.83	4.43	3.09
15.90	7.41	4.07	4.84	18.50	7.84	4.44	3.08
15.95	7.42	4.08	4.81	18.55	7.84	4.44	3.07
16.00	7.43	4.09	4.77	18.60	7.85	4.45	3.06
16.05	7.44	4.10	4.73	18.65	7.86	4.46	3.05
16.10	7.45	4.10	4.70	18.70	7.86	4.46	3.04
16.15	7.46	4.11	4.67	18.75	7.87	4.47	3.03
16.20	7.47	4.12	4.63	18.80	7.88	4.47	3.02
16.25	7.48	4.13	4.59	18.85	7.88	4.48	3.01
16.30	7.49	4.14	4.55	18.90	7.89	4.48	3.00
16.35	7.50	4.15	4.51	18.95	7.90	4.49	2.99
16.40	7.51	4.15	4.47	19.00	7.90	4.50	2.98
16.45	7.52	4.16	4.44	19.05	7.91	4.50	2.97
16.50	7.53	4.17	4.40	19.10	7.92	4.51	2.97
16.55	7.54	4.18	4.36	19.15	7.92	4.51	2.96
16.60	7.55	4.19	4.32	19.20	7.93	4.52	2.95
16.65	7.55	4.19	4.29	19.25	7.93	4.52	2.94
16.70	7.56	4.20	4.26	19.30	7.94	4.53	2.93
16.75	7.57	4.21	4.22	19.35	7.95	4.53	2.92
16.80	7.58	4.22	4.18	19.40	7.95	4.54	2.91
16.85	7.59	4.23	4.14	19.45	7.96	4.54	2.90
16.90	7.60	4.23	4.10	19.50	7.97	4.55	2.89
16.95	7.61	4.24	4.07	19.55	7.97	4.56	2.88
17.00	7.62	4.25	4.03	19.60	7.98	4.56	2.87
17.05	7.63	4.26	4.00	19.65	7.98	4.57	2.86
17.10	7.63	4.26	3.96	19.70	7.99	4.57	2.85
17.15	7.64	4.27	3.92	19.75	8.00	4.58	2.85
17.20	7.65	4.28	3.88	19.80	8.00	4.58	2.84
17.25	7.66	4.28	3.85	19.85	8.01	4.59	2.84
17.30	7.67	4.29	3.80	19.90	8.01	4.59	2.83
17.35	7.67	4.30	3.76	19.95	8.02	4.60	2.81
17.40	7.68	4.30	3.72	20.00	8.03	4.60	2.80
17.45	7.69	4.31	3.69	20.05	8.03	4.61	2.79
17.50	7.70	4.32	3.65	20.10	8.04	4.61	2.78
17.55	7.71	4.32	3.62	20.15	8.04	4.62	2.77
17.60	7.71	4.33	3.58	20.20	8.05	4.62	2.76
17.65	7.72	4.34	3.54	20.25	8.06	4.63	2.75
17.70	7.73	4.34	3.51	20.30	8.06	4.63	2.74
17.75	7.74	4.35	3.47	20.35	8.07	4.64	2.73
17.80	7.74	4.36	3.43	20.40	8.07	4.64	2.72
17.85	7.75	4.36	3.39	20.45	8.08	4.65	2.71
17.90	7.76	4.37	3.35	20.50	8.09	4.65	2.70
17.95	7.76	4.38	3.32	20.55	8.09	4.66	2.70
18.00	7.77	4.38	3.28	20.60	8.10	4.66	2.69
18.05	7.78	4.39	3.24	20.65	8.10	4.67	2.69
18.10	7.78	4.39	3.20	20.70	8.11	4.67	2.68
18.15	7.79	4.40	3.17	20.75	8.11	4.68	2.66

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.68	2.65	23.40	8.38	4.92	2.16
20.85	8.13	4.69	2.64	23.45	8.39	4.92	2.15
20.90	8.13	4.69	2.63	23.50	8.39	4.92	2.14
20.95	8.14	4.70	2.62	23.55	8.40	4.93	2.13
21.00	8.14	4.70	2.61	23.60	8.40	4.93	2.12
21.05	8.15	4.71	2.60	23.65	8.41	4.93	2.11
21.10	8.15	4.71	2.59	23.70	8.41	4.94	2.10
21.15	8.16	4.72	2.58	23.75	8.42	4.94	2.10
21.20	8.16	4.72	2.57	23.80	8.42	4.95	2.09
21.25	8.17	4.73	2.56	23.85	8.42	4.95	2.07
21.30	8.18	4.73	2.56	23.90	8.43	4.95	2.06
21.35	8.18	4.74	2.56	23.95	8.43	4.96	2.07
21.40	8.19	4.74	2.55	24.00	8.44	4.96	2.20
21.45	8.19	4.75	2.53	24.05	8.44	4.96	2.23
21.50	8.20	4.75	2.52	24.10	8.44	4.96	1.67
21.55	8.20	4.76	2.51	24.15	8.44	4.96	0.86
21.60	8.21	4.76	2.50	24.20	8.44	4.96	0.37
21.65	8.21	4.76	2.49	24.25	8.44	4.96	0.16
21.70	8.22	4.77	2.48	24.30	8.44	4.96	0.07
21.75	8.22	4.77	2.47	24.35	8.44	4.96	0.03
21.80	8.23	4.78	2.46	24.40	8.44	4.96	0.01
21.85	8.23	4.78	2.46	24.45	8.44	4.96	0.00
21.90	8.24	4.79	2.45	24.50	8.44	4.96	0.00
21.95	8.24	4.79	2.44	24.55	8.44	4.96	0.00
22.00	8.25	4.80	2.42	24.60	8.44	4.96	0.00
22.05	8.25	4.80	2.41	24.65	8.44	4.96	0.00
22.10	8.26	4.81	2.40	24.70	8.44	4.96	0.00
22.15	8.26	4.81	2.39	24.75	8.44	4.96	0.00
22.20	8.27	4.81	2.39	24.80	8.44	4.96	0.00
22.25	8.27	4.82	2.38	24.85	8.44	4.96	0.00
22.30	8.28	4.82	2.37	24.90	8.44	4.96	0.00
22.35	8.28	4.83	2.36	24.95	8.44	4.96	0.00
22.40	8.29	4.83	2.35	25.00	8.44	4.96	0.00
22.45	8.29	4.84	2.34	25.05	8.44	4.96	0.00
22.50	8.30	4.84	2.33	25.10	8.44	4.96	0.00
22.55	8.30	4.84	2.32	25.15	8.44	4.96	0.00
22.60	8.31	4.85	2.31	25.20	8.44	4.96	0.00
22.65	8.31	4.85	2.31	25.25	8.44	4.96	0.00
22.70	8.32	4.86	2.30	25.30	8.44	4.96	0.00
22.75	8.32	4.86	2.28	25.35	8.44	4.96	0.00
22.80	8.33	4.87	2.27	25.40	8.44	4.96	0.00
22.85	8.33	4.87	2.26	25.45	8.44	4.96	0.00
22.90	8.34	4.87	2.25	25.50	8.44	4.96	0.00
22.95	8.34	4.88	2.24	25.55	8.44	4.96	0.00
23.00	8.35	4.88	2.24	25.60	8.44	4.96	0.00
23.05	8.35	4.89	2.23	25.65	8.44	4.96	0.00
23.10	8.36	4.89	2.22	25.70	8.44	4.96	0.00
23.15	8.36	4.89	2.21	25.75	8.44	4.96	0.00
23.20	8.37	4.90	2.19	25.80	8.44	4.96	0.00
23.25	8.37	4.90	2.18	25.85	8.44	4.96	0.00
23.30	8.38	4.91	2.17	25.90	8.44	4.96	0.00
23.35	8.38	4.91	2.16	25.95	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.96	0.00	28.60	8.44	4.96	0.00
26.05	8.44	4.96	0.00	28.65	8.44	4.96	0.00
26.10	8.44	4.96	0.00	28.70	8.44	4.96	0.00
26.15	8.44	4.96	0.00	28.75	8.44	4.96	0.00
26.20	8.44	4.96	0.00	28.80	8.44	4.96	0.00
26.25	8.44	4.96	0.00	28.85	8.44	4.96	0.00
26.30	8.44	4.96	0.00	28.90	8.44	4.96	0.00
26.35	8.44	4.96	0.00	28.95	8.44	4.96	0.00
26.40	8.44	4.96	0.00	29.00	8.44	4.96	0.00
26.45	8.44	4.96	0.00	29.05	8.44	4.96	0.00
26.50	8.44	4.96	0.00	29.10	8.44	4.96	0.00
26.55	8.44	4.96	0.00	29.15	8.44	4.96	0.00
26.60	8.44	4.96	0.00	29.20	8.44	4.96	0.00
26.65	8.44	4.96	0.00	29.25	8.44	4.96	0.00
26.70	8.44	4.96	0.00	29.30	8.44	4.96	0.00
26.75	8.44	4.96	0.00	29.35	8.44	4.96	0.00
26.80	8.44	4.96	0.00	29.40	8.44	4.96	0.00
26.85	8.44	4.96	0.00	29.45	8.44	4.96	0.00
26.90	8.44	4.96	0.00	29.50	8.44	4.96	0.00
26.95	8.44	4.96	0.00	29.55	8.44	4.96	0.00
27.00	8.44	4.96	0.00	29.60	8.44	4.96	0.00
27.05	8.44	4.96	0.00	29.65	8.44	4.96	0.00
27.10	8.44	4.96	0.00	29.70	8.44	4.96	0.00
27.15	8.44	4.96	0.00	29.75	8.44	4.96	0.00
27.20	8.44	4.96	0.00	29.80	8.44	4.96	0.00
27.25	8.44	4.96	0.00	29.85	8.44	4.96	0.00
27.30	8.44	4.96	0.00	29.90	8.44	4.96	0.00
27.35	8.44	4.96	0.00	29.95	8.44	4.96	0.00
27.40	8.44	4.96	0.00	30.00	8.44	4.96	0.00
27.45	8.44	4.96	0.00	30.05	8.44	4.96	0.00
27.50	8.44	4.96	0.00	30.10	8.44	4.96	0.00
27.55	8.44	4.96	0.00	30.15	8.44	4.96	0.00
27.60	8.44	4.96	0.00	30.20	8.44	4.96	0.00
27.65	8.44	4.96	0.00	30.25	8.44	4.96	0.00
27.70	8.44	4.96	0.00	30.30	8.44	4.96	0.00
27.75	8.44	4.96	0.00	30.35	8.44	4.96	0.00
27.80	8.44	4.96	0.00	30.40	8.44	4.96	0.00
27.85	8.44	4.96	0.00	30.45	8.44	4.96	0.00
27.90	8.44	4.96	0.00	30.50	8.44	4.96	0.00
27.95	8.44	4.96	0.00	30.55	8.44	4.96	0.00
28.00	8.44	4.96	0.00	30.60	8.44	4.96	0.00
28.05	8.44	4.96	0.00	30.65	8.44	4.96	0.00
28.10	8.44	4.96	0.00	30.70	8.44	4.96	0.00
28.15	8.44	4.96	0.00	30.75	8.44	4.96	0.00
28.20	8.44	4.96	0.00	30.80	8.44	4.96	0.00
28.25	8.44	4.96	0.00	30.85	8.44	4.96	0.00
28.30	8.44	4.96	0.00	30.90	8.44	4.96	0.00
28.35	8.44	4.96	0.00	30.95	8.44	4.96	0.00
28.40	8.44	4.96	0.00	31.00	8.44	4.96	0.00
28.45	8.44	4.96	0.00	31.05	8.44	4.96	0.00
28.50	8.44	4.96	0.00	31.10	8.44	4.96	0.00
28.55	8.44	4.96	0.00	31.15	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.96	0.00	33.80	8.44	4.96	0.00
31.25	8.44	4.96	0.00	33.85	8.44	4.96	0.00
31.30	8.44	4.96	0.00	33.90	8.44	4.96	0.00
31.35	8.44	4.96	0.00	33.95	8.44	4.96	0.00
31.40	8.44	4.96	0.00	34.00	8.44	4.96	0.00
31.45	8.44	4.96	0.00	34.05	8.44	4.96	0.00
31.50	8.44	4.96	0.00	34.10	8.44	4.96	0.00
31.55	8.44	4.96	0.00	34.15	8.44	4.96	0.00
31.60	8.44	4.96	0.00	34.20	8.44	4.96	0.00
31.65	8.44	4.96	0.00	34.25	8.44	4.96	0.00
31.70	8.44	4.96	0.00	34.30	8.44	4.96	0.00
31.75	8.44	4.96	0.00	34.35	8.44	4.96	0.00
31.80	8.44	4.96	0.00	34.40	8.44	4.96	0.00
31.85	8.44	4.96	0.00	34.45	8.44	4.96	0.00
31.90	8.44	4.96	0.00	34.50	8.44	4.96	0.00
31.95	8.44	4.96	0.00	34.55	8.44	4.96	0.00
32.00	8.44	4.96	0.00	34.60	8.44	4.96	0.00
32.05	8.44	4.96	0.00	34.65	8.44	4.96	0.00
32.10	8.44	4.96	0.00	34.70	8.44	4.96	0.00
32.15	8.44	4.96	0.00	34.75	8.44	4.96	0.00
32.20	8.44	4.96	0.00	34.80	8.44	4.96	0.00
32.25	8.44	4.96	0.00	34.85	8.44	4.96	0.00
32.30	8.44	4.96	0.00	34.90	8.44	4.96	0.00
32.35	8.44	4.96	0.00	34.95	8.44	4.96	0.00
32.40	8.44	4.96	0.00	35.00	8.44	4.96	0.00
32.45	8.44	4.96	0.00	35.05	8.44	4.96	0.00
32.50	8.44	4.96	0.00	35.10	8.44	4.96	0.00
32.55	8.44	4.96	0.00	35.15	8.44	4.96	0.00
32.60	8.44	4.96	0.00	35.20	8.44	4.96	0.00
32.65	8.44	4.96	0.00	35.25	8.44	4.96	0.00
32.70	8.44	4.96	0.00	35.30	8.44	4.96	0.00
32.75	8.44	4.96	0.00	35.35	8.44	4.96	0.00
32.80	8.44	4.96	0.00	35.40	8.44	4.96	0.00
32.85	8.44	4.96	0.00	35.45	8.44	4.96	0.00
32.90	8.44	4.96	0.00	35.50	8.44	4.96	0.00
32.95	8.44	4.96	0.00	35.55	8.44	4.96	0.00
33.00	8.44	4.96	0.00	35.60	8.44	4.96	0.00
33.05	8.44	4.96	0.00	35.65	8.44	4.96	0.00
33.10	8.44	4.96	0.00	35.70	8.44	4.96	0.00
33.15	8.44	4.96	0.00	35.75	8.44	4.96	0.00
33.20	8.44	4.96	0.00	35.80	8.44	4.96	0.00
33.25	8.44	4.96	0.00	35.85	8.44	4.96	0.00
33.30	8.44	4.96	0.00	35.90	8.44	4.96	0.00
33.35	8.44	4.96	0.00	35.95	8.44	4.96	0.00
33.40	8.44	4.96	0.00	36.00	8.44	4.96	0.00
33.45	8.44	4.96	0.00	36.05	8.44	4.96	0.00
33.50	8.44	4.96	0.00	36.10	8.44	4.96	0.00
33.55	8.44	4.96	0.00	36.15	8.44	4.96	0.00
33.60	8.44	4.96	0.00	36.20	8.44	4.96	0.00
33.65	8.44	4.96	0.00	36.25	8.44	4.96	0.00
33.70	8.44	4.96	0.00	36.30	8.44	4.96	0.00
33.75	8.44	4.96	0.00	36.35	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.96	0.00	39.00	8.44	4.96	0.00
36.45	8.44	4.96	0.00	39.05	8.44	4.96	0.00
36.50	8.44	4.96	0.00	39.10	8.44	4.96	0.00
36.55	8.44	4.96	0.00	39.15	8.44	4.96	0.00
36.60	8.44	4.96	0.00	39.20	8.44	4.96	0.00
36.65	8.44	4.96	0.00	39.25	8.44	4.96	0.00
36.70	8.44	4.96	0.00	39.30	8.44	4.96	0.00
36.75	8.44	4.96	0.00	39.35	8.44	4.96	0.00
36.80	8.44	4.96	0.00	39.40	8.44	4.96	0.00
36.85	8.44	4.96	0.00	39.45	8.44	4.96	0.00
36.90	8.44	4.96	0.00	39.50	8.44	4.96	0.00
36.95	8.44	4.96	0.00	39.55	8.44	4.96	0.00
37.00	8.44	4.96	0.00	39.60	8.44	4.96	0.00
37.05	8.44	4.96	0.00	39.65	8.44	4.96	0.00
37.10	8.44	4.96	0.00	39.70	8.44	4.96	0.00
37.15	8.44	4.96	0.00	39.75	8.44	4.96	0.00
37.20	8.44	4.96	0.00	39.80	8.44	4.96	0.00
37.25	8.44	4.96	0.00	39.85	8.44	4.96	0.00
37.30	8.44	4.96	0.00	39.90	8.44	4.96	0.00
37.35	8.44	4.96	0.00	39.95	8.44	4.96	0.00
37.40	8.44	4.96	0.00	40.00	8.44	4.96	0.00
37.45	8.44	4.96	0.00				
37.50	8.44	4.96	0.00				
37.55	8.44	4.96	0.00				
37.60	8.44	4.96	0.00				
37.65	8.44	4.96	0.00				
37.70	8.44	4.96	0.00				
37.75	8.44	4.96	0.00				
37.80	8.44	4.96	0.00				
37.85	8.44	4.96	0.00				
37.90	8.44	4.96	0.00				
37.95	8.44	4.96	0.00				
38.00	8.44	4.96	0.00				
38.05	8.44	4.96	0.00				
38.10	8.44	4.96	0.00				
38.15	8.44	4.96	0.00				
38.20	8.44	4.96	0.00				
38.25	8.44	4.96	0.00				
38.30	8.44	4.96	0.00				
38.35	8.44	4.96	0.00				
38.40	8.44	4.96	0.00				
38.45	8.44	4.96	0.00				
38.50	8.44	4.96	0.00				
38.55	8.44	4.96	0.00				
38.60	8.44	4.96	0.00				
38.65	8.44	4.96	0.00				
38.70	8.44	4.96	0.00				
38.75	8.44	4.96	0.00				
38.80	8.44	4.96	0.00				
38.85	8.44	4.96	0.00				
38.90	8.44	4.96	0.00				
38.95	8.44	4.96	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 166.77 cfs @ 12.16 hrs, Volume= 12.047 af, Depth= 4.84"
Routed to Link XDA-6O : XDA-6O

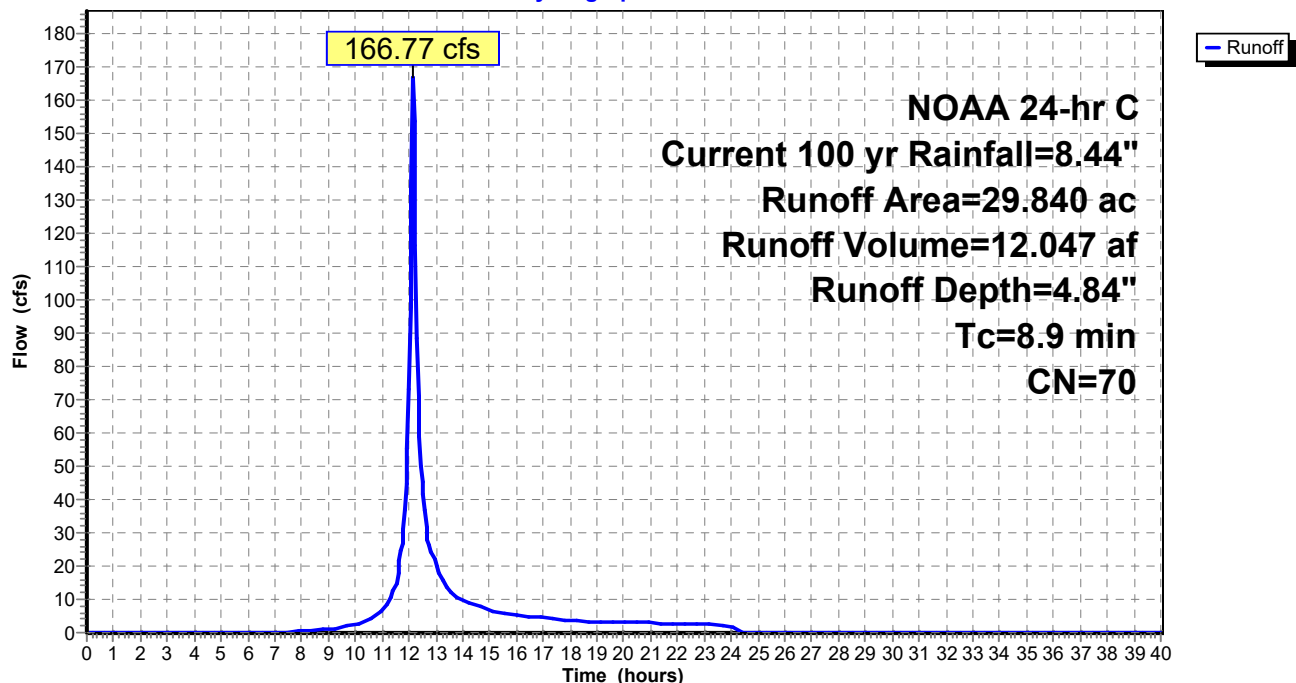
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.23
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.26
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.28
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.31
5.40	0.59	0.00	0.00	8.00	1.01	0.01	0.34
5.45	0.60	0.00	0.00	8.05	1.02	0.01	0.37
5.50	0.60	0.00	0.00	8.10	1.03	0.01	0.40
5.55	0.61	0.00	0.00	8.15	1.04	0.01	0.43
5.60	0.62	0.00	0.00	8.20	1.05	0.01	0.46
5.65	0.62	0.00	0.00	8.25	1.06	0.01	0.49
5.70	0.63	0.00	0.00	8.30	1.07	0.01	0.52
5.75	0.64	0.00	0.00	8.35	1.08	0.01	0.55
5.80	0.64	0.00	0.00	8.40	1.10	0.01	0.58
5.85	0.65	0.00	0.00	8.45	1.11	0.01	0.62
5.90	0.66	0.00	0.00	8.50	1.12	0.01	0.65
5.95	0.66	0.00	0.00	8.55	1.13	0.02	0.68
6.00	0.67	0.00	0.00	8.60	1.14	0.02	0.72
6.05	0.68	0.00	0.00	8.65	1.15	0.02	0.75
6.10	0.68	0.00	0.00	8.70	1.16	0.02	0.79
6.15	0.69	0.00	0.00	8.75	1.17	0.02	0.82
6.20	0.70	0.00	0.00	8.80	1.19	0.02	0.86
6.25	0.70	0.00	0.00	8.85	1.20	0.03	0.89
6.30	0.71	0.00	0.00	8.90	1.21	0.03	0.93
6.35	0.72	0.00	0.00	8.95	1.22	0.03	0.97
6.40	0.73	0.00	0.00	9.00	1.23	0.03	1.00
6.45	0.73	0.00	0.00	9.05	1.25	0.03	1.04
6.50	0.74	0.00	0.00	9.10	1.26	0.03	1.09
6.55	0.75	0.00	0.00	9.15	1.27	0.04	1.15
6.60	0.76	0.00	0.00	9.20	1.28	0.04	1.21
6.65	0.77	0.00	0.00	9.25	1.30	0.04	1.28
6.70	0.77	0.00	0.00	9.30	1.31	0.04	1.35
6.75	0.78	0.00	0.00	9.35	1.33	0.05	1.42
6.80	0.79	0.00	0.00	9.40	1.34	0.05	1.49
6.85	0.80	0.00	0.00	9.45	1.35	0.05	1.56
6.90	0.81	0.00	0.00	9.50	1.37	0.05	1.64
6.95	0.81	0.00	0.00	9.55	1.39	0.06	1.72
7.00	0.82	0.00	0.00	9.60	1.40	0.06	1.80
7.05	0.83	0.00	0.00	9.65	1.42	0.06	1.89
7.10	0.84	0.00	0.00	9.70	1.43	0.07	1.98
7.15	0.85	0.00	0.00	9.75	1.45	0.07	2.06
7.20	0.86	0.00	0.00	9.80	1.47	0.08	2.16
7.25	0.87	0.00	0.00	9.85	1.49	0.08	2.25
7.30	0.88	0.00	0.00	9.90	1.50	0.08	2.35
7.35	0.89	0.00	0.02	9.95	1.52	0.09	2.45
7.40	0.89	0.00	0.03	10.00	1.54	0.09	2.55
7.45	0.90	0.00	0.06	10.05	1.56	0.10	2.66
7.50	0.91	0.00	0.08	10.10	1.58	0.10	2.76
7.55	0.92	0.00	0.10	10.15	1.60	0.11	2.87
7.60	0.93	0.00	0.13	10.20	1.62	0.11	2.98
7.65	0.94	0.00	0.15	10.25	1.64	0.12	3.10
7.70	0.95	0.00	0.18	10.30	1.66	0.13	3.22
7.75	0.96	0.00	0.20	10.35	1.68	0.13	3.34

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.14	3.46	13.00	6.41	3.14	20.34
10.45	1.72	0.14	3.58	13.05	6.45	3.16	19.29
10.50	1.74	0.15	3.71	13.10	6.48	3.19	18.22
10.55	1.76	0.16	3.86	13.15	6.51	3.22	17.21
10.60	1.79	0.17	4.08	13.20	6.54	3.24	16.38
10.65	1.81	0.17	4.35	13.25	6.57	3.27	15.71
10.70	1.84	0.18	4.66	13.30	6.60	3.29	15.09
10.75	1.87	0.19	4.98	13.35	6.63	3.31	14.50
10.80	1.90	0.20	5.32	13.40	6.65	3.33	13.91
10.85	1.93	0.21	5.68	13.45	6.68	3.35	13.33
10.90	1.96	0.23	6.05	13.50	6.70	3.37	12.74
10.95	1.99	0.24	6.43	13.55	6.72	3.39	12.16
11.00	2.03	0.25	6.83	13.60	6.74	3.41	11.58
11.05	2.06	0.26	7.26	13.65	6.76	3.42	11.04
11.10	2.10	0.28	7.82	13.70	6.78	3.44	10.68
11.15	2.14	0.30	8.46	13.75	6.80	3.46	10.43
11.20	2.19	0.31	9.17	13.80	6.82	3.47	10.24
11.25	2.23	0.33	9.90	13.85	6.84	3.49	10.07
11.30	2.28	0.35	10.69	13.90	6.86	3.51	9.92
11.35	2.33	0.38	11.49	13.95	6.88	3.52	9.78
11.40	2.38	0.40	12.34	14.00	6.90	3.54	9.62
11.45	2.44	0.43	13.19	14.05	6.92	3.55	9.47
11.50	2.49	0.45	14.04	14.10	6.94	3.57	9.31
11.55	2.58	0.49	15.25	14.15	6.95	3.58	9.16
11.60	2.66	0.54	18.15	14.20	6.97	3.60	9.01
11.65	2.75	0.58	21.78	14.25	6.99	3.61	8.87
11.70	2.84	0.63	24.55	14.30	7.01	3.62	8.72
11.75	2.97	0.70	27.03	14.35	7.02	3.64	8.56
11.80	3.09	0.77	31.26	14.40	7.04	3.65	8.40
11.85	3.26	0.86	36.98	14.45	7.05	3.66	8.25
11.90	3.43	0.97	44.81	14.50	7.07	3.68	8.10
11.95	3.73	1.15	55.31	14.55	7.09	3.69	7.95
12.00	4.02	1.34	73.36	14.60	7.10	3.70	7.80
12.05	4.52	1.68	98.06	14.65	7.11	3.71	7.64
12.10	5.01	2.04	133.96	14.70	7.13	3.73	7.48
12.15	5.18	2.17	165.69	14.75	7.14	3.74	7.33
12.20	5.35	2.30	153.42	14.80	7.16	3.75	7.17
12.25	5.47	2.39	116.44	14.85	7.17	3.76	7.03
12.30	5.60	2.49	88.53	14.90	7.18	3.77	6.87
12.35	5.69	2.56	71.10	14.95	7.19	3.78	6.71
12.40	5.78	2.63	58.83	15.00	7.21	3.79	6.55
12.45	5.86	2.70	50.03	15.05	7.22	3.80	6.39
12.50	5.95	2.76	44.99	15.10	7.23	3.81	6.24
12.55	6.00	2.81	41.74	15.15	7.24	3.82	6.10
12.60	6.06	2.85	36.81	15.20	7.25	3.83	6.00
12.65	6.11	2.89	31.45	15.25	7.27	3.84	5.93
12.70	6.16	2.93	28.07	15.30	7.28	3.85	5.88
12.75	6.21	2.97	26.18	15.35	7.29	3.86	5.83
12.80	6.25	3.01	24.77	15.40	7.30	3.87	5.80
12.85	6.30	3.04	23.60	15.45	7.31	3.88	5.76
12.90	6.34	3.08	22.48	15.50	7.32	3.89	5.72
12.95	6.38	3.11	21.42	15.55	7.33	3.90	5.67

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.91	5.64	18.20	7.80	4.29	3.50
15.65	7.36	3.92	5.60	18.25	7.80	4.30	3.48
15.70	7.37	3.92	5.56	18.30	7.81	4.30	3.47
15.75	7.38	3.93	5.51	18.35	7.82	4.31	3.46
15.80	7.39	3.94	5.47	18.40	7.82	4.31	3.45
15.85	7.40	3.95	5.43	18.45	7.83	4.32	3.44
15.90	7.41	3.96	5.39	18.50	7.84	4.33	3.43
15.95	7.42	3.97	5.36	18.55	7.84	4.33	3.42
16.00	7.43	3.98	5.31	18.60	7.85	4.34	3.41
16.05	7.44	3.99	5.27	18.65	7.86	4.34	3.40
16.10	7.45	3.99	5.23	18.70	7.86	4.35	3.39
16.15	7.46	4.00	5.19	18.75	7.87	4.35	3.38
16.20	7.47	4.01	5.15	18.80	7.88	4.36	3.37
16.25	7.48	4.02	5.12	18.85	7.88	4.36	3.36
16.30	7.49	4.03	5.07	18.90	7.89	4.37	3.35
16.35	7.50	4.04	5.02	18.95	7.90	4.38	3.34
16.40	7.51	4.04	4.98	19.00	7.90	4.38	3.33
16.45	7.52	4.05	4.94	19.05	7.91	4.39	3.31
16.50	7.53	4.06	4.90	19.10	7.92	4.39	3.30
16.55	7.54	4.07	4.86	19.15	7.92	4.40	3.29
16.60	7.55	4.08	4.82	19.20	7.93	4.40	3.28
16.65	7.55	4.08	4.78	19.25	7.93	4.41	3.27
16.70	7.56	4.09	4.74	19.30	7.94	4.41	3.26
16.75	7.57	4.10	4.70	19.35	7.95	4.42	3.25
16.80	7.58	4.11	4.65	19.40	7.95	4.42	3.24
16.85	7.59	4.11	4.61	19.45	7.96	4.43	3.23
16.90	7.60	4.12	4.57	19.50	7.97	4.44	3.22
16.95	7.61	4.13	4.53	19.55	7.97	4.44	3.21
17.00	7.62	4.14	4.49	19.60	7.98	4.45	3.20
17.05	7.63	4.14	4.45	19.65	7.98	4.45	3.19
17.10	7.63	4.15	4.41	19.70	7.99	4.46	3.18
17.15	7.64	4.16	4.37	19.75	8.00	4.46	3.17
17.20	7.65	4.17	4.33	19.80	8.00	4.47	3.17
17.25	7.66	4.17	4.28	19.85	8.01	4.47	3.16
17.30	7.67	4.18	4.24	19.90	8.01	4.48	3.15
17.35	7.67	4.19	4.19	19.95	8.02	4.48	3.14
17.40	7.68	4.19	4.15	20.00	8.03	4.49	3.12
17.45	7.69	4.20	4.11	20.05	8.03	4.49	3.11
17.50	7.70	4.21	4.07	20.10	8.04	4.50	3.10
17.55	7.71	4.21	4.03	20.15	8.04	4.50	3.09
17.60	7.71	4.22	3.99	20.20	8.05	4.51	3.08
17.65	7.72	4.23	3.95	20.25	8.06	4.51	3.07
17.70	7.73	4.23	3.90	20.30	8.06	4.52	3.06
17.75	7.74	4.24	3.86	20.35	8.07	4.52	3.05
17.80	7.74	4.24	3.82	20.40	8.07	4.53	3.04
17.85	7.75	4.25	3.78	20.45	8.08	4.53	3.03
17.90	7.76	4.26	3.73	20.50	8.09	4.54	3.02
17.95	7.76	4.26	3.69	20.55	8.09	4.54	3.01
18.00	7.77	4.27	3.65	20.60	8.10	4.55	3.00
18.05	7.78	4.27	3.61	20.65	8.10	4.55	3.00
18.10	7.78	4.28	3.56	20.70	8.11	4.56	2.98
18.15	7.79	4.29	3.53	20.75	8.11	4.56	2.97

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.57	2.95	23.40	8.38	4.80	2.41
20.85	8.13	4.57	2.94	23.45	8.39	4.80	2.40
20.90	8.13	4.58	2.93	23.50	8.39	4.80	2.39
20.95	8.14	4.58	2.92	23.55	8.40	4.81	2.37
21.00	8.14	4.59	2.91	23.60	8.40	4.81	2.36
21.05	8.15	4.59	2.90	23.65	8.41	4.82	2.35
21.10	8.15	4.60	2.89	23.70	8.41	4.82	2.34
21.15	8.16	4.60	2.88	23.75	8.42	4.82	2.34
21.20	8.16	4.61	2.87	23.80	8.42	4.83	2.33
21.25	8.17	4.61	2.86	23.85	8.42	4.83	2.31
21.30	8.18	4.62	2.85	23.90	8.43	4.84	2.30
21.35	8.18	4.62	2.85	23.95	8.43	4.84	2.31
21.40	8.19	4.62	2.84	24.00	8.44	4.84	2.45
21.45	8.19	4.63	2.82	24.05	8.44	4.84	2.49
21.50	8.20	4.63	2.81	24.10	8.44	4.84	1.86
21.55	8.20	4.64	2.80	24.15	8.44	4.84	0.95
21.60	8.21	4.64	2.78	24.20	8.44	4.84	0.42
21.65	8.21	4.65	2.77	24.25	8.44	4.84	0.18
21.70	8.22	4.65	2.76	24.30	8.44	4.84	0.08
21.75	8.22	4.66	2.75	24.35	8.44	4.84	0.03
21.80	8.23	4.66	2.75	24.40	8.44	4.84	0.01
21.85	8.23	4.67	2.74	24.45	8.44	4.84	0.00
21.90	8.24	4.67	2.73	24.50	8.44	4.84	0.00
21.95	8.24	4.67	2.72	24.55	8.44	4.84	0.00
22.00	8.25	4.68	2.70	24.60	8.44	4.84	0.00
22.05	8.25	4.68	2.69	24.65	8.44	4.84	0.00
22.10	8.26	4.69	2.68	24.70	8.44	4.84	0.00
22.15	8.26	4.69	2.67	24.75	8.44	4.84	0.00
22.20	8.27	4.70	2.66	24.80	8.44	4.84	0.00
22.25	8.27	4.70	2.66	24.85	8.44	4.84	0.00
22.30	8.28	4.71	2.65	24.90	8.44	4.84	0.00
22.35	8.28	4.71	2.63	24.95	8.44	4.84	0.00
22.40	8.29	4.71	2.62	25.00	8.44	4.84	0.00
22.45	8.29	4.72	2.60	25.05	8.44	4.84	0.00
22.50	8.30	4.72	2.59	25.10	8.44	4.84	0.00
22.55	8.30	4.73	2.58	25.15	8.44	4.84	0.00
22.60	8.31	4.73	2.58	25.20	8.44	4.84	0.00
22.65	8.31	4.74	2.57	25.25	8.44	4.84	0.00
22.70	8.32	4.74	2.56	25.30	8.44	4.84	0.00
22.75	8.32	4.74	2.55	25.35	8.44	4.84	0.00
22.80	8.33	4.75	2.53	25.40	8.44	4.84	0.00
22.85	8.33	4.75	2.52	25.45	8.44	4.84	0.00
22.90	8.34	4.76	2.51	25.50	8.44	4.84	0.00
22.95	8.34	4.76	2.50	25.55	8.44	4.84	0.00
23.00	8.35	4.76	2.49	25.60	8.44	4.84	0.00
23.05	8.35	4.77	2.49	25.65	8.44	4.84	0.00
23.10	8.36	4.77	2.48	25.70	8.44	4.84	0.00
23.15	8.36	4.78	2.46	25.75	8.44	4.84	0.00
23.20	8.37	4.78	2.45	25.80	8.44	4.84	0.00
23.25	8.37	4.78	2.43	25.85	8.44	4.84	0.00
23.30	8.38	4.79	2.42	25.90	8.44	4.84	0.00
23.35	8.38	4.79	2.41	25.95	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.84	0.00	28.60	8.44	4.84	0.00
26.05	8.44	4.84	0.00	28.65	8.44	4.84	0.00
26.10	8.44	4.84	0.00	28.70	8.44	4.84	0.00
26.15	8.44	4.84	0.00	28.75	8.44	4.84	0.00
26.20	8.44	4.84	0.00	28.80	8.44	4.84	0.00
26.25	8.44	4.84	0.00	28.85	8.44	4.84	0.00
26.30	8.44	4.84	0.00	28.90	8.44	4.84	0.00
26.35	8.44	4.84	0.00	28.95	8.44	4.84	0.00
26.40	8.44	4.84	0.00	29.00	8.44	4.84	0.00
26.45	8.44	4.84	0.00	29.05	8.44	4.84	0.00
26.50	8.44	4.84	0.00	29.10	8.44	4.84	0.00
26.55	8.44	4.84	0.00	29.15	8.44	4.84	0.00
26.60	8.44	4.84	0.00	29.20	8.44	4.84	0.00
26.65	8.44	4.84	0.00	29.25	8.44	4.84	0.00
26.70	8.44	4.84	0.00	29.30	8.44	4.84	0.00
26.75	8.44	4.84	0.00	29.35	8.44	4.84	0.00
26.80	8.44	4.84	0.00	29.40	8.44	4.84	0.00
26.85	8.44	4.84	0.00	29.45	8.44	4.84	0.00
26.90	8.44	4.84	0.00	29.50	8.44	4.84	0.00
26.95	8.44	4.84	0.00	29.55	8.44	4.84	0.00
27.00	8.44	4.84	0.00	29.60	8.44	4.84	0.00
27.05	8.44	4.84	0.00	29.65	8.44	4.84	0.00
27.10	8.44	4.84	0.00	29.70	8.44	4.84	0.00
27.15	8.44	4.84	0.00	29.75	8.44	4.84	0.00
27.20	8.44	4.84	0.00	29.80	8.44	4.84	0.00
27.25	8.44	4.84	0.00	29.85	8.44	4.84	0.00
27.30	8.44	4.84	0.00	29.90	8.44	4.84	0.00
27.35	8.44	4.84	0.00	29.95	8.44	4.84	0.00
27.40	8.44	4.84	0.00	30.00	8.44	4.84	0.00
27.45	8.44	4.84	0.00	30.05	8.44	4.84	0.00
27.50	8.44	4.84	0.00	30.10	8.44	4.84	0.00
27.55	8.44	4.84	0.00	30.15	8.44	4.84	0.00
27.60	8.44	4.84	0.00	30.20	8.44	4.84	0.00
27.65	8.44	4.84	0.00	30.25	8.44	4.84	0.00
27.70	8.44	4.84	0.00	30.30	8.44	4.84	0.00
27.75	8.44	4.84	0.00	30.35	8.44	4.84	0.00
27.80	8.44	4.84	0.00	30.40	8.44	4.84	0.00
27.85	8.44	4.84	0.00	30.45	8.44	4.84	0.00
27.90	8.44	4.84	0.00	30.50	8.44	4.84	0.00
27.95	8.44	4.84	0.00	30.55	8.44	4.84	0.00
28.00	8.44	4.84	0.00	30.60	8.44	4.84	0.00
28.05	8.44	4.84	0.00	30.65	8.44	4.84	0.00
28.10	8.44	4.84	0.00	30.70	8.44	4.84	0.00
28.15	8.44	4.84	0.00	30.75	8.44	4.84	0.00
28.20	8.44	4.84	0.00	30.80	8.44	4.84	0.00
28.25	8.44	4.84	0.00	30.85	8.44	4.84	0.00
28.30	8.44	4.84	0.00	30.90	8.44	4.84	0.00
28.35	8.44	4.84	0.00	30.95	8.44	4.84	0.00
28.40	8.44	4.84	0.00	31.00	8.44	4.84	0.00
28.45	8.44	4.84	0.00	31.05	8.44	4.84	0.00
28.50	8.44	4.84	0.00	31.10	8.44	4.84	0.00
28.55	8.44	4.84	0.00	31.15	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.84	0.00	33.80	8.44	4.84	0.00
31.25	8.44	4.84	0.00	33.85	8.44	4.84	0.00
31.30	8.44	4.84	0.00	33.90	8.44	4.84	0.00
31.35	8.44	4.84	0.00	33.95	8.44	4.84	0.00
31.40	8.44	4.84	0.00	34.00	8.44	4.84	0.00
31.45	8.44	4.84	0.00	34.05	8.44	4.84	0.00
31.50	8.44	4.84	0.00	34.10	8.44	4.84	0.00
31.55	8.44	4.84	0.00	34.15	8.44	4.84	0.00
31.60	8.44	4.84	0.00	34.20	8.44	4.84	0.00
31.65	8.44	4.84	0.00	34.25	8.44	4.84	0.00
31.70	8.44	4.84	0.00	34.30	8.44	4.84	0.00
31.75	8.44	4.84	0.00	34.35	8.44	4.84	0.00
31.80	8.44	4.84	0.00	34.40	8.44	4.84	0.00
31.85	8.44	4.84	0.00	34.45	8.44	4.84	0.00
31.90	8.44	4.84	0.00	34.50	8.44	4.84	0.00
31.95	8.44	4.84	0.00	34.55	8.44	4.84	0.00
32.00	8.44	4.84	0.00	34.60	8.44	4.84	0.00
32.05	8.44	4.84	0.00	34.65	8.44	4.84	0.00
32.10	8.44	4.84	0.00	34.70	8.44	4.84	0.00
32.15	8.44	4.84	0.00	34.75	8.44	4.84	0.00
32.20	8.44	4.84	0.00	34.80	8.44	4.84	0.00
32.25	8.44	4.84	0.00	34.85	8.44	4.84	0.00
32.30	8.44	4.84	0.00	34.90	8.44	4.84	0.00
32.35	8.44	4.84	0.00	34.95	8.44	4.84	0.00
32.40	8.44	4.84	0.00	35.00	8.44	4.84	0.00
32.45	8.44	4.84	0.00	35.05	8.44	4.84	0.00
32.50	8.44	4.84	0.00	35.10	8.44	4.84	0.00
32.55	8.44	4.84	0.00	35.15	8.44	4.84	0.00
32.60	8.44	4.84	0.00	35.20	8.44	4.84	0.00
32.65	8.44	4.84	0.00	35.25	8.44	4.84	0.00
32.70	8.44	4.84	0.00	35.30	8.44	4.84	0.00
32.75	8.44	4.84	0.00	35.35	8.44	4.84	0.00
32.80	8.44	4.84	0.00	35.40	8.44	4.84	0.00
32.85	8.44	4.84	0.00	35.45	8.44	4.84	0.00
32.90	8.44	4.84	0.00	35.50	8.44	4.84	0.00
32.95	8.44	4.84	0.00	35.55	8.44	4.84	0.00
33.00	8.44	4.84	0.00	35.60	8.44	4.84	0.00
33.05	8.44	4.84	0.00	35.65	8.44	4.84	0.00
33.10	8.44	4.84	0.00	35.70	8.44	4.84	0.00
33.15	8.44	4.84	0.00	35.75	8.44	4.84	0.00
33.20	8.44	4.84	0.00	35.80	8.44	4.84	0.00
33.25	8.44	4.84	0.00	35.85	8.44	4.84	0.00
33.30	8.44	4.84	0.00	35.90	8.44	4.84	0.00
33.35	8.44	4.84	0.00	35.95	8.44	4.84	0.00
33.40	8.44	4.84	0.00	36.00	8.44	4.84	0.00
33.45	8.44	4.84	0.00	36.05	8.44	4.84	0.00
33.50	8.44	4.84	0.00	36.10	8.44	4.84	0.00
33.55	8.44	4.84	0.00	36.15	8.44	4.84	0.00
33.60	8.44	4.84	0.00	36.20	8.44	4.84	0.00
33.65	8.44	4.84	0.00	36.25	8.44	4.84	0.00
33.70	8.44	4.84	0.00	36.30	8.44	4.84	0.00
33.75	8.44	4.84	0.00	36.35	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.84	0.00	39.00	8.44	4.84	0.00
36.45	8.44	4.84	0.00	39.05	8.44	4.84	0.00
36.50	8.44	4.84	0.00	39.10	8.44	4.84	0.00
36.55	8.44	4.84	0.00	39.15	8.44	4.84	0.00
36.60	8.44	4.84	0.00	39.20	8.44	4.84	0.00
36.65	8.44	4.84	0.00	39.25	8.44	4.84	0.00
36.70	8.44	4.84	0.00	39.30	8.44	4.84	0.00
36.75	8.44	4.84	0.00	39.35	8.44	4.84	0.00
36.80	8.44	4.84	0.00	39.40	8.44	4.84	0.00
36.85	8.44	4.84	0.00	39.45	8.44	4.84	0.00
36.90	8.44	4.84	0.00	39.50	8.44	4.84	0.00
36.95	8.44	4.84	0.00	39.55	8.44	4.84	0.00
37.00	8.44	4.84	0.00	39.60	8.44	4.84	0.00
37.05	8.44	4.84	0.00	39.65	8.44	4.84	0.00
37.10	8.44	4.84	0.00	39.70	8.44	4.84	0.00
37.15	8.44	4.84	0.00	39.75	8.44	4.84	0.00
37.20	8.44	4.84	0.00	39.80	8.44	4.84	0.00
37.25	8.44	4.84	0.00	39.85	8.44	4.84	0.00
37.30	8.44	4.84	0.00	39.90	8.44	4.84	0.00
37.35	8.44	4.84	0.00	39.95	8.44	4.84	0.00
37.40	8.44	4.84	0.00	40.00	8.44	4.84	0.00
37.45	8.44	4.84	0.00				
37.50	8.44	4.84	0.00				
37.55	8.44	4.84	0.00				
37.60	8.44	4.84	0.00				
37.65	8.44	4.84	0.00				
37.70	8.44	4.84	0.00				
37.75	8.44	4.84	0.00				
37.80	8.44	4.84	0.00				
37.85	8.44	4.84	0.00				
37.90	8.44	4.84	0.00				
37.95	8.44	4.84	0.00				
38.00	8.44	4.84	0.00				
38.05	8.44	4.84	0.00				
38.10	8.44	4.84	0.00				
38.15	8.44	4.84	0.00				
38.20	8.44	4.84	0.00				
38.25	8.44	4.84	0.00				
38.30	8.44	4.84	0.00				
38.35	8.44	4.84	0.00				
38.40	8.44	4.84	0.00				
38.45	8.44	4.84	0.00				
38.50	8.44	4.84	0.00				
38.55	8.44	4.84	0.00				
38.60	8.44	4.84	0.00				
38.65	8.44	4.84	0.00				
38.70	8.44	4.84	0.00				
38.75	8.44	4.84	0.00				
38.80	8.44	4.84	0.00				
38.85	8.44	4.84	0.00				
38.90	8.44	4.84	0.00				
38.95	8.44	4.84	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 19.28 cfs @ 12.18 hrs, Volume= 1.451 af, Depth= 3.67"

Routed to Link XDA-4 : Existing Drainage Area #4

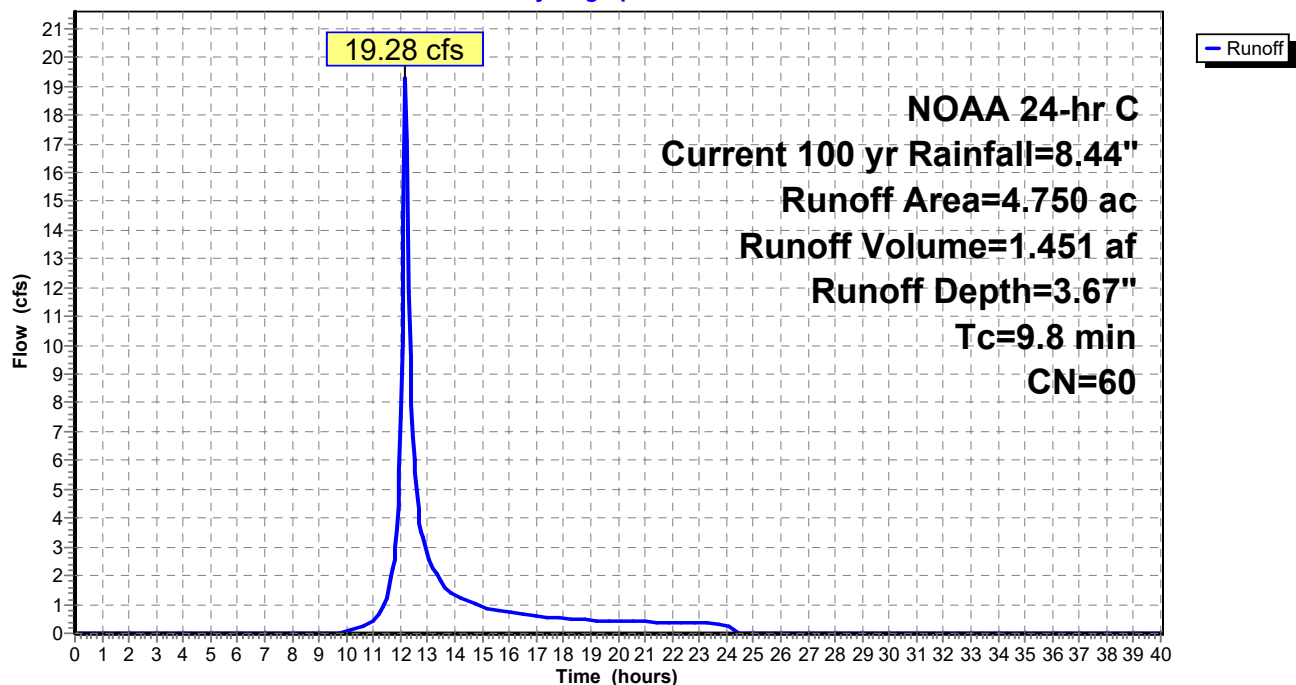
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.00
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.00
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.00
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.00
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.00
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.00
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.00
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.00
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.00
6.45	0.73	0.00	0.00	9.05	1.25	0.00	0.00
6.50	0.74	0.00	0.00	9.10	1.26	0.00	0.00
6.55	0.75	0.00	0.00	9.15	1.27	0.00	0.00
6.60	0.76	0.00	0.00	9.20	1.28	0.00	0.00
6.65	0.77	0.00	0.00	9.25	1.30	0.00	0.00
6.70	0.77	0.00	0.00	9.30	1.31	0.00	0.00
6.75	0.78	0.00	0.00	9.35	1.33	0.00	0.00
6.80	0.79	0.00	0.00	9.40	1.34	0.00	0.00
6.85	0.80	0.00	0.00	9.45	1.35	0.00	0.00
6.90	0.81	0.00	0.00	9.50	1.37	0.00	0.00
6.95	0.81	0.00	0.00	9.55	1.39	0.00	0.01
7.00	0.82	0.00	0.00	9.60	1.40	0.00	0.01
7.05	0.83	0.00	0.00	9.65	1.42	0.00	0.02
7.10	0.84	0.00	0.00	9.70	1.43	0.00	0.02
7.15	0.85	0.00	0.00	9.75	1.45	0.00	0.03
7.20	0.86	0.00	0.00	9.80	1.47	0.00	0.04
7.25	0.87	0.00	0.00	9.85	1.49	0.00	0.05
7.30	0.88	0.00	0.00	9.90	1.50	0.00	0.06
7.35	0.89	0.00	0.00	9.95	1.52	0.01	0.06
7.40	0.89	0.00	0.00	10.00	1.54	0.01	0.07
7.45	0.90	0.00	0.00	10.05	1.56	0.01	0.08
7.50	0.91	0.00	0.00	10.10	1.58	0.01	0.09
7.55	0.92	0.00	0.00	10.15	1.60	0.01	0.10
7.60	0.93	0.00	0.00	10.20	1.62	0.01	0.12
7.65	0.94	0.00	0.00	10.25	1.64	0.01	0.13
7.70	0.95	0.00	0.00	10.30	1.66	0.01	0.14
7.75	0.96	0.00	0.00	10.35	1.68	0.02	0.15

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.02	0.16	13.00	6.41	2.20	2.74
10.45	1.72	0.02	0.18	13.05	6.45	2.22	2.60
10.50	1.74	0.02	0.19	13.10	6.48	2.24	2.46
10.55	1.76	0.03	0.20	13.15	6.51	2.26	2.33
10.60	1.79	0.03	0.22	13.20	6.54	2.29	2.21
10.65	1.81	0.03	0.24	13.25	6.57	2.31	2.12
10.70	1.84	0.04	0.27	13.30	6.60	2.32	2.04
10.75	1.87	0.04	0.30	13.35	6.63	2.34	1.96
10.80	1.90	0.04	0.33	13.40	6.65	2.36	1.88
10.85	1.93	0.05	0.36	13.45	6.68	2.38	1.81
10.90	1.96	0.05	0.39	13.50	6.70	2.39	1.73
10.95	1.99	0.06	0.43	13.55	6.72	2.41	1.65
11.00	2.03	0.07	0.47	13.60	6.74	2.42	1.58
11.05	2.06	0.07	0.51	13.65	6.76	2.44	1.50
11.10	2.10	0.08	0.56	13.70	6.78	2.45	1.45
11.15	2.14	0.09	0.62	13.75	6.80	2.47	1.41
11.20	2.19	0.10	0.69	13.80	6.82	2.48	1.39
11.25	2.23	0.11	0.76	13.85	6.84	2.49	1.36
11.30	2.28	0.12	0.84	13.90	6.86	2.51	1.34
11.35	2.33	0.13	0.92	13.95	6.88	2.52	1.32
11.40	2.38	0.14	1.01	14.00	6.90	2.53	1.30
11.45	2.44	0.16	1.11	14.05	6.92	2.55	1.28
11.50	2.49	0.17	1.20	14.10	6.94	2.56	1.26
11.55	2.58	0.20	1.32	14.15	6.95	2.57	1.24
11.60	2.66	0.22	1.58	14.20	6.97	2.58	1.22
11.65	2.75	0.25	1.93	14.25	6.99	2.60	1.21
11.70	2.84	0.28	2.25	14.30	7.01	2.61	1.19
11.75	2.97	0.32	2.54	14.35	7.02	2.62	1.17
11.80	3.09	0.37	2.97	14.40	7.04	2.63	1.14
11.85	3.26	0.43	3.58	14.45	7.05	2.64	1.12
11.90	3.43	0.50	4.42	14.50	7.07	2.65	1.10
11.95	3.73	0.63	5.57	14.55	7.09	2.66	1.09
12.00	4.02	0.77	7.49	14.60	7.10	2.67	1.06
12.05	4.52	1.03	10.25	14.65	7.11	2.68	1.04
12.10	5.01	1.31	14.41	14.70	7.13	2.70	1.02
12.15	5.18	1.41	18.74	14.75	7.14	2.70	1.00
12.20	5.35	1.51	18.89	14.80	7.16	2.71	0.98
12.25	5.47	1.59	15.33	14.85	7.17	2.72	0.96
12.30	5.60	1.66	11.88	14.90	7.18	2.73	0.94
12.35	5.69	1.72	9.60	14.95	7.19	2.74	0.92
12.40	5.78	1.78	7.98	15.00	7.21	2.75	0.90
12.45	5.86	1.83	6.78	15.05	7.22	2.76	0.88
12.50	5.95	1.89	6.04	15.10	7.23	2.77	0.86
12.55	6.00	1.92	5.58	15.15	7.24	2.78	0.84
12.60	6.06	1.96	4.99	15.20	7.25	2.79	0.82
12.65	6.11	1.99	4.30	15.25	7.27	2.79	0.81
12.70	6.16	2.03	3.80	15.30	7.28	2.80	0.80
12.75	6.21	2.06	3.52	15.35	7.29	2.81	0.80
12.80	6.25	2.09	3.32	15.40	7.30	2.82	0.79
12.85	6.30	2.12	3.16	15.45	7.31	2.83	0.79
12.90	6.34	2.15	3.02	15.50	7.32	2.83	0.78
12.95	6.38	2.17	2.88	15.55	7.33	2.84	0.78

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	2.85	0.77	18.20	7.80	3.18	0.48
15.65	7.36	2.86	0.77	18.25	7.80	3.19	0.48
15.70	7.37	2.87	0.76	18.30	7.81	3.19	0.48
15.75	7.38	2.87	0.76	18.35	7.82	3.20	0.48
15.80	7.39	2.88	0.75	18.40	7.82	3.20	0.48
15.85	7.40	2.89	0.74	18.45	7.83	3.21	0.48
15.90	7.41	2.90	0.74	18.50	7.84	3.21	0.47
15.95	7.42	2.90	0.73	18.55	7.84	3.22	0.47
16.00	7.43	2.91	0.73	18.60	7.85	3.22	0.47
16.05	7.44	2.92	0.72	18.65	7.86	3.23	0.47
16.10	7.45	2.93	0.72	18.70	7.86	3.23	0.47
16.15	7.46	2.93	0.71	18.75	7.87	3.24	0.47
16.20	7.47	2.94	0.71	18.80	7.88	3.24	0.47
16.25	7.48	2.95	0.70	18.85	7.88	3.25	0.47
16.30	7.49	2.95	0.70	18.90	7.89	3.25	0.46
16.35	7.50	2.96	0.69	18.95	7.90	3.26	0.46
16.40	7.51	2.97	0.69	19.00	7.90	3.26	0.46
16.45	7.52	2.98	0.68	19.05	7.91	3.27	0.46
16.50	7.53	2.98	0.67	19.10	7.92	3.27	0.46
16.55	7.54	2.99	0.67	19.15	7.92	3.28	0.46
16.60	7.55	3.00	0.66	19.20	7.93	3.28	0.46
16.65	7.55	3.00	0.66	19.25	7.93	3.28	0.45
16.70	7.56	3.01	0.65	19.30	7.94	3.29	0.45
16.75	7.57	3.02	0.65	19.35	7.95	3.29	0.45
16.80	7.58	3.02	0.64	19.40	7.95	3.30	0.45
16.85	7.59	3.03	0.64	19.45	7.96	3.30	0.45
16.90	7.60	3.04	0.63	19.50	7.97	3.31	0.45
16.95	7.61	3.04	0.62	19.55	7.97	3.31	0.45
17.00	7.62	3.05	0.62	19.60	7.98	3.32	0.44
17.05	7.63	3.05	0.61	19.65	7.98	3.32	0.44
17.10	7.63	3.06	0.61	19.70	7.99	3.33	0.44
17.15	7.64	3.07	0.60	19.75	8.00	3.33	0.44
17.20	7.65	3.07	0.60	19.80	8.00	3.34	0.44
17.25	7.66	3.08	0.59	19.85	8.01	3.34	0.44
17.30	7.67	3.09	0.59	19.90	8.01	3.34	0.44
17.35	7.67	3.09	0.58	19.95	8.02	3.35	0.44
17.40	7.68	3.10	0.57	20.00	8.03	3.35	0.43
17.45	7.69	3.10	0.57	20.05	8.03	3.36	0.43
17.50	7.70	3.11	0.56	20.10	8.04	3.36	0.43
17.55	7.71	3.11	0.56	20.15	8.04	3.37	0.43
17.60	7.71	3.12	0.55	20.20	8.05	3.37	0.43
17.65	7.72	3.13	0.55	20.25	8.06	3.38	0.43
17.70	7.73	3.13	0.54	20.30	8.06	3.38	0.43
17.75	7.74	3.14	0.53	20.35	8.07	3.38	0.42
17.80	7.74	3.14	0.53	20.40	8.07	3.39	0.42
17.85	7.75	3.15	0.52	20.45	8.08	3.39	0.42
17.90	7.76	3.15	0.52	20.50	8.09	3.40	0.42
17.95	7.76	3.16	0.51	20.55	8.09	3.40	0.42
18.00	7.77	3.16	0.51	20.60	8.10	3.41	0.42
18.05	7.78	3.17	0.50	20.65	8.10	3.41	0.42
18.10	7.78	3.17	0.49	20.70	8.11	3.41	0.42
18.15	7.79	3.18	0.49	20.75	8.11	3.42	0.41

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	3.42	0.41	23.40	8.38	3.62	0.34
20.85	8.13	3.43	0.41	23.45	8.39	3.63	0.34
20.90	8.13	3.43	0.41	23.50	8.39	3.63	0.34
20.95	8.14	3.44	0.41	23.55	8.40	3.63	0.33
21.00	8.14	3.44	0.41	23.60	8.40	3.64	0.33
21.05	8.15	3.44	0.40	23.65	8.41	3.64	0.33
21.10	8.15	3.45	0.40	23.70	8.41	3.65	0.33
21.15	8.16	3.45	0.40	23.75	8.42	3.65	0.33
21.20	8.16	3.46	0.40	23.80	8.42	3.65	0.33
21.25	8.17	3.46	0.40	23.85	8.42	3.66	0.32
21.30	8.18	3.47	0.40	23.90	8.43	3.66	0.32
21.35	8.18	3.47	0.40	23.95	8.43	3.66	0.32
21.40	8.19	3.47	0.40	24.00	8.44	3.67	0.34
21.45	8.19	3.48	0.39	24.05	8.44	3.67	0.35
21.50	8.20	3.48	0.39	24.10	8.44	3.67	0.28
21.55	8.20	3.49	0.39	24.15	8.44	3.67	0.16
21.60	8.21	3.49	0.39	24.20	8.44	3.67	0.08
21.65	8.21	3.49	0.39	24.25	8.44	3.67	0.04
21.70	8.22	3.50	0.39	24.30	8.44	3.67	0.02
21.75	8.22	3.50	0.38	24.35	8.44	3.67	0.01
21.80	8.23	3.51	0.38	24.40	8.44	3.67	0.00
21.85	8.23	3.51	0.38	24.45	8.44	3.67	0.00
21.90	8.24	3.51	0.38	24.50	8.44	3.67	0.00
21.95	8.24	3.52	0.38	24.55	8.44	3.67	0.00
22.00	8.25	3.52	0.38	24.60	8.44	3.67	0.00
22.05	8.25	3.53	0.38	24.65	8.44	3.67	0.00
22.10	8.26	3.53	0.37	24.70	8.44	3.67	0.00
22.15	8.26	3.53	0.37	24.75	8.44	3.67	0.00
22.20	8.27	3.54	0.37	24.80	8.44	3.67	0.00
22.25	8.27	3.54	0.37	24.85	8.44	3.67	0.00
22.30	8.28	3.54	0.37	24.90	8.44	3.67	0.00
22.35	8.28	3.55	0.37	24.95	8.44	3.67	0.00
22.40	8.29	3.55	0.37	25.00	8.44	3.67	0.00
22.45	8.29	3.56	0.36	25.05	8.44	3.67	0.00
22.50	8.30	3.56	0.36	25.10	8.44	3.67	0.00
22.55	8.30	3.56	0.36	25.15	8.44	3.67	0.00
22.60	8.31	3.57	0.36	25.20	8.44	3.67	0.00
22.65	8.31	3.57	0.36	25.25	8.44	3.67	0.00
22.70	8.32	3.57	0.36	25.30	8.44	3.67	0.00
22.75	8.32	3.58	0.36	25.35	8.44	3.67	0.00
22.80	8.33	3.58	0.35	25.40	8.44	3.67	0.00
22.85	8.33	3.59	0.35	25.45	8.44	3.67	0.00
22.90	8.34	3.59	0.35	25.50	8.44	3.67	0.00
22.95	8.34	3.59	0.35	25.55	8.44	3.67	0.00
23.00	8.35	3.60	0.35	25.60	8.44	3.67	0.00
23.05	8.35	3.60	0.35	25.65	8.44	3.67	0.00
23.10	8.36	3.60	0.35	25.70	8.44	3.67	0.00
23.15	8.36	3.61	0.34	25.75	8.44	3.67	0.00
23.20	8.37	3.61	0.34	25.80	8.44	3.67	0.00
23.25	8.37	3.61	0.34	25.85	8.44	3.67	0.00
23.30	8.38	3.62	0.34	25.90	8.44	3.67	0.00
23.35	8.38	3.62	0.34	25.95	8.44	3.67	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	3.67	0.00	28.60	8.44	3.67	0.00
26.05	8.44	3.67	0.00	28.65	8.44	3.67	0.00
26.10	8.44	3.67	0.00	28.70	8.44	3.67	0.00
26.15	8.44	3.67	0.00	28.75	8.44	3.67	0.00
26.20	8.44	3.67	0.00	28.80	8.44	3.67	0.00
26.25	8.44	3.67	0.00	28.85	8.44	3.67	0.00
26.30	8.44	3.67	0.00	28.90	8.44	3.67	0.00
26.35	8.44	3.67	0.00	28.95	8.44	3.67	0.00
26.40	8.44	3.67	0.00	29.00	8.44	3.67	0.00
26.45	8.44	3.67	0.00	29.05	8.44	3.67	0.00
26.50	8.44	3.67	0.00	29.10	8.44	3.67	0.00
26.55	8.44	3.67	0.00	29.15	8.44	3.67	0.00
26.60	8.44	3.67	0.00	29.20	8.44	3.67	0.00
26.65	8.44	3.67	0.00	29.25	8.44	3.67	0.00
26.70	8.44	3.67	0.00	29.30	8.44	3.67	0.00
26.75	8.44	3.67	0.00	29.35	8.44	3.67	0.00
26.80	8.44	3.67	0.00	29.40	8.44	3.67	0.00
26.85	8.44	3.67	0.00	29.45	8.44	3.67	0.00
26.90	8.44	3.67	0.00	29.50	8.44	3.67	0.00
26.95	8.44	3.67	0.00	29.55	8.44	3.67	0.00
27.00	8.44	3.67	0.00	29.60	8.44	3.67	0.00
27.05	8.44	3.67	0.00	29.65	8.44	3.67	0.00
27.10	8.44	3.67	0.00	29.70	8.44	3.67	0.00
27.15	8.44	3.67	0.00	29.75	8.44	3.67	0.00
27.20	8.44	3.67	0.00	29.80	8.44	3.67	0.00
27.25	8.44	3.67	0.00	29.85	8.44	3.67	0.00
27.30	8.44	3.67	0.00	29.90	8.44	3.67	0.00
27.35	8.44	3.67	0.00	29.95	8.44	3.67	0.00
27.40	8.44	3.67	0.00	30.00	8.44	3.67	0.00
27.45	8.44	3.67	0.00	30.05	8.44	3.67	0.00
27.50	8.44	3.67	0.00	30.10	8.44	3.67	0.00
27.55	8.44	3.67	0.00	30.15	8.44	3.67	0.00
27.60	8.44	3.67	0.00	30.20	8.44	3.67	0.00
27.65	8.44	3.67	0.00	30.25	8.44	3.67	0.00
27.70	8.44	3.67	0.00	30.30	8.44	3.67	0.00
27.75	8.44	3.67	0.00	30.35	8.44	3.67	0.00
27.80	8.44	3.67	0.00	30.40	8.44	3.67	0.00
27.85	8.44	3.67	0.00	30.45	8.44	3.67	0.00
27.90	8.44	3.67	0.00	30.50	8.44	3.67	0.00
27.95	8.44	3.67	0.00	30.55	8.44	3.67	0.00
28.00	8.44	3.67	0.00	30.60	8.44	3.67	0.00
28.05	8.44	3.67	0.00	30.65	8.44	3.67	0.00
28.10	8.44	3.67	0.00	30.70	8.44	3.67	0.00
28.15	8.44	3.67	0.00	30.75	8.44	3.67	0.00
28.20	8.44	3.67	0.00	30.80	8.44	3.67	0.00
28.25	8.44	3.67	0.00	30.85	8.44	3.67	0.00
28.30	8.44	3.67	0.00	30.90	8.44	3.67	0.00
28.35	8.44	3.67	0.00	30.95	8.44	3.67	0.00
28.40	8.44	3.67	0.00	31.00	8.44	3.67	0.00
28.45	8.44	3.67	0.00	31.05	8.44	3.67	0.00
28.50	8.44	3.67	0.00	31.10	8.44	3.67	0.00
28.55	8.44	3.67	0.00	31.15	8.44	3.67	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	3.67	0.00	33.80	8.44	3.67	0.00
31.25	8.44	3.67	0.00	33.85	8.44	3.67	0.00
31.30	8.44	3.67	0.00	33.90	8.44	3.67	0.00
31.35	8.44	3.67	0.00	33.95	8.44	3.67	0.00
31.40	8.44	3.67	0.00	34.00	8.44	3.67	0.00
31.45	8.44	3.67	0.00	34.05	8.44	3.67	0.00
31.50	8.44	3.67	0.00	34.10	8.44	3.67	0.00
31.55	8.44	3.67	0.00	34.15	8.44	3.67	0.00
31.60	8.44	3.67	0.00	34.20	8.44	3.67	0.00
31.65	8.44	3.67	0.00	34.25	8.44	3.67	0.00
31.70	8.44	3.67	0.00	34.30	8.44	3.67	0.00
31.75	8.44	3.67	0.00	34.35	8.44	3.67	0.00
31.80	8.44	3.67	0.00	34.40	8.44	3.67	0.00
31.85	8.44	3.67	0.00	34.45	8.44	3.67	0.00
31.90	8.44	3.67	0.00	34.50	8.44	3.67	0.00
31.95	8.44	3.67	0.00	34.55	8.44	3.67	0.00
32.00	8.44	3.67	0.00	34.60	8.44	3.67	0.00
32.05	8.44	3.67	0.00	34.65	8.44	3.67	0.00
32.10	8.44	3.67	0.00	34.70	8.44	3.67	0.00
32.15	8.44	3.67	0.00	34.75	8.44	3.67	0.00
32.20	8.44	3.67	0.00	34.80	8.44	3.67	0.00
32.25	8.44	3.67	0.00	34.85	8.44	3.67	0.00
32.30	8.44	3.67	0.00	34.90	8.44	3.67	0.00
32.35	8.44	3.67	0.00	34.95	8.44	3.67	0.00
32.40	8.44	3.67	0.00	35.00	8.44	3.67	0.00
32.45	8.44	3.67	0.00	35.05	8.44	3.67	0.00
32.50	8.44	3.67	0.00	35.10	8.44	3.67	0.00
32.55	8.44	3.67	0.00	35.15	8.44	3.67	0.00
32.60	8.44	3.67	0.00	35.20	8.44	3.67	0.00
32.65	8.44	3.67	0.00	35.25	8.44	3.67	0.00
32.70	8.44	3.67	0.00	35.30	8.44	3.67	0.00
32.75	8.44	3.67	0.00	35.35	8.44	3.67	0.00
32.80	8.44	3.67	0.00	35.40	8.44	3.67	0.00
32.85	8.44	3.67	0.00	35.45	8.44	3.67	0.00
32.90	8.44	3.67	0.00	35.50	8.44	3.67	0.00
32.95	8.44	3.67	0.00	35.55	8.44	3.67	0.00
33.00	8.44	3.67	0.00	35.60	8.44	3.67	0.00
33.05	8.44	3.67	0.00	35.65	8.44	3.67	0.00
33.10	8.44	3.67	0.00	35.70	8.44	3.67	0.00
33.15	8.44	3.67	0.00	35.75	8.44	3.67	0.00
33.20	8.44	3.67	0.00	35.80	8.44	3.67	0.00
33.25	8.44	3.67	0.00	35.85	8.44	3.67	0.00
33.30	8.44	3.67	0.00	35.90	8.44	3.67	0.00
33.35	8.44	3.67	0.00	35.95	8.44	3.67	0.00
33.40	8.44	3.67	0.00	36.00	8.44	3.67	0.00
33.45	8.44	3.67	0.00	36.05	8.44	3.67	0.00
33.50	8.44	3.67	0.00	36.10	8.44	3.67	0.00
33.55	8.44	3.67	0.00	36.15	8.44	3.67	0.00
33.60	8.44	3.67	0.00	36.20	8.44	3.67	0.00
33.65	8.44	3.67	0.00	36.25	8.44	3.67	0.00
33.70	8.44	3.67	0.00	36.30	8.44	3.67	0.00
33.75	8.44	3.67	0.00	36.35	8.44	3.67	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	3.67	0.00	39.00	8.44	3.67	0.00
36.45	8.44	3.67	0.00	39.05	8.44	3.67	0.00
36.50	8.44	3.67	0.00	39.10	8.44	3.67	0.00
36.55	8.44	3.67	0.00	39.15	8.44	3.67	0.00
36.60	8.44	3.67	0.00	39.20	8.44	3.67	0.00
36.65	8.44	3.67	0.00	39.25	8.44	3.67	0.00
36.70	8.44	3.67	0.00	39.30	8.44	3.67	0.00
36.75	8.44	3.67	0.00	39.35	8.44	3.67	0.00
36.80	8.44	3.67	0.00	39.40	8.44	3.67	0.00
36.85	8.44	3.67	0.00	39.45	8.44	3.67	0.00
36.90	8.44	3.67	0.00	39.50	8.44	3.67	0.00
36.95	8.44	3.67	0.00	39.55	8.44	3.67	0.00
37.00	8.44	3.67	0.00	39.60	8.44	3.67	0.00
37.05	8.44	3.67	0.00	39.65	8.44	3.67	0.00
37.10	8.44	3.67	0.00	39.70	8.44	3.67	0.00
37.15	8.44	3.67	0.00	39.75	8.44	3.67	0.00
37.20	8.44	3.67	0.00	39.80	8.44	3.67	0.00
37.25	8.44	3.67	0.00	39.85	8.44	3.67	0.00
37.30	8.44	3.67	0.00	39.90	8.44	3.67	0.00
37.35	8.44	3.67	0.00	39.95	8.44	3.67	0.00
37.40	8.44	3.67	0.00	40.00	8.44	3.67	0.00
37.45	8.44	3.67	0.00				
37.50	8.44	3.67	0.00				
37.55	8.44	3.67	0.00				
37.60	8.44	3.67	0.00				
37.65	8.44	3.67	0.00				
37.70	8.44	3.67	0.00				
37.75	8.44	3.67	0.00				
37.80	8.44	3.67	0.00				
37.85	8.44	3.67	0.00				
37.90	8.44	3.67	0.00				
37.95	8.44	3.67	0.00				
38.00	8.44	3.67	0.00				
38.05	8.44	3.67	0.00				
38.10	8.44	3.67	0.00				
38.15	8.44	3.67	0.00				
38.20	8.44	3.67	0.00				
38.25	8.44	3.67	0.00				
38.30	8.44	3.67	0.00				
38.35	8.44	3.67	0.00				
38.40	8.44	3.67	0.00				
38.45	8.44	3.67	0.00				
38.50	8.44	3.67	0.00				
38.55	8.44	3.67	0.00				
38.60	8.44	3.67	0.00				
38.65	8.44	3.67	0.00				
38.70	8.44	3.67	0.00				
38.75	8.44	3.67	0.00				
38.80	8.44	3.67	0.00				
38.85	8.44	3.67	0.00				
38.90	8.44	3.67	0.00				
38.95	8.44	3.67	0.00				

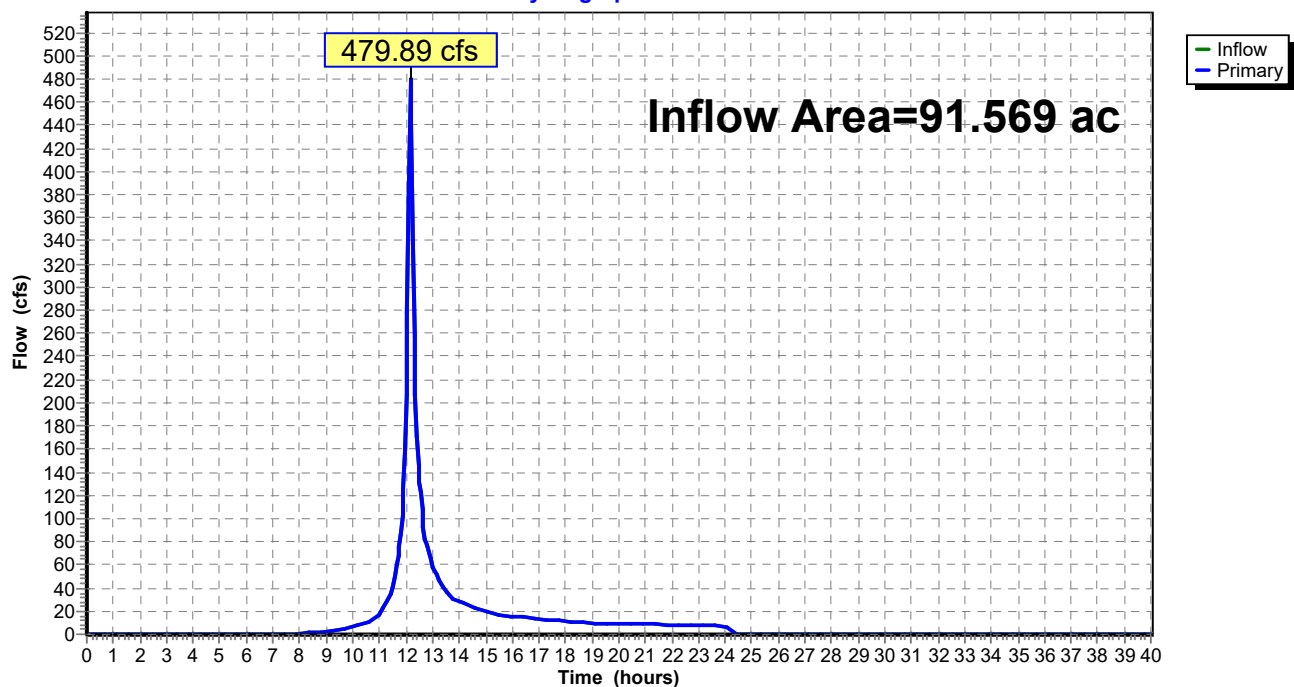
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 4.57" for Current 100 yr event
Inflow = 479.89 cfs @ 12.16 hrs, Volume= 34.868 af
Primary = 479.89 cfs @ 12.16 hrs, Volume= 34.868 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.07	0.00	0.07
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.10	0.00	0.10
0.30	0.00	0.00	0.00	2.90	0.10	0.00	0.10
0.35	0.00	0.00	0.00	2.95	0.11	0.00	0.11
0.40	0.00	0.00	0.00	3.00	0.11	0.00	0.11
0.45	0.00	0.00	0.00	3.05	0.12	0.00	0.12
0.50	0.00	0.00	0.00	3.10	0.12	0.00	0.12
0.55	0.00	0.00	0.00	3.15	0.13	0.00	0.13
0.60	0.00	0.00	0.00	3.20	0.13	0.00	0.13
0.65	0.00	0.00	0.00	3.25	0.14	0.00	0.14
0.70	0.00	0.00	0.00	3.30	0.14	0.00	0.14
0.75	0.00	0.00	0.00	3.35	0.15	0.00	0.15
0.80	0.00	0.00	0.00	3.40	0.16	0.00	0.16
0.85	0.00	0.00	0.00	3.45	0.16	0.00	0.16
0.90	0.00	0.00	0.00	3.50	0.17	0.00	0.17
0.95	0.00	0.00	0.00	3.55	0.17	0.00	0.17
1.00	0.00	0.00	0.00	3.60	0.18	0.00	0.18
1.05	0.00	0.00	0.00	3.65	0.18	0.00	0.18
1.10	0.00	0.00	0.00	3.70	0.19	0.00	0.19
1.15	0.00	0.00	0.00	3.75	0.19	0.00	0.19
1.20	0.00	0.00	0.00	3.80	0.19	0.00	0.19
1.25	0.00	0.00	0.00	3.85	0.20	0.00	0.20
1.30	0.00	0.00	0.00	3.90	0.20	0.00	0.20
1.35	0.00	0.00	0.00	3.95	0.21	0.00	0.21
1.40	0.00	0.00	0.00	4.00	0.21	0.00	0.21
1.45	0.00	0.00	0.00	4.05	0.22	0.00	0.22
1.50	0.00	0.00	0.00	4.10	0.22	0.00	0.22
1.55	0.00	0.00	0.00	4.15	0.23	0.00	0.23
1.60	0.00	0.00	0.00	4.20	0.23	0.00	0.23
1.65	0.00	0.00	0.00	4.25	0.24	0.00	0.24
1.70	0.00	0.00	0.00	4.30	0.24	0.00	0.24
1.75	0.00	0.00	0.00	4.35	0.25	0.00	0.25
1.80	0.00	0.00	0.00	4.40	0.25	0.00	0.25
1.85	0.00	0.00	0.00	4.45	0.26	0.00	0.26
1.90	0.00	0.00	0.00	4.50	0.26	0.00	0.26
1.95	0.00	0.00	0.00	4.55	0.27	0.00	0.27
2.00	0.01	0.00	0.01	4.60	0.27	0.00	0.27
2.05	0.01	0.00	0.01	4.65	0.27	0.00	0.27
2.10	0.02	0.00	0.02	4.70	0.28	0.00	0.28
2.15	0.02	0.00	0.02	4.75	0.28	0.00	0.28
2.20	0.03	0.00	0.03	4.80	0.29	0.00	0.29
2.25	0.03	0.00	0.03	4.85	0.29	0.00	0.29
2.30	0.04	0.00	0.04	4.90	0.30	0.00	0.30
2.35	0.04	0.00	0.04	4.95	0.30	0.00	0.30
2.40	0.05	0.00	0.05	5.00	0.31	0.00	0.31
2.45	0.05	0.00	0.05	5.05	0.31	0.00	0.31
2.50	0.06	0.00	0.06	5.10	0.31	0.00	0.31
2.55	0.07	0.00	0.07	5.15	0.32	0.00	0.32

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.32	0.00	0.32	7.80	0.69	0.00	0.69
5.25	0.33	0.00	0.33	7.85	0.70	0.00	0.70
5.30	0.33	0.00	0.33	7.90	0.71	0.00	0.71
5.35	0.34	0.00	0.34	7.95	0.72	0.00	0.72
5.40	0.34	0.00	0.34	8.00	0.73	0.00	0.73
5.45	0.34	0.00	0.34	8.05	0.76	0.00	0.76
5.50	0.35	0.00	0.35	8.10	0.78	0.00	0.78
5.55	0.35	0.00	0.35	8.15	0.81	0.00	0.81
5.60	0.36	0.00	0.36	8.20	0.85	0.00	0.85
5.65	0.36	0.00	0.36	8.25	0.91	0.00	0.91
5.70	0.36	0.00	0.36	8.30	0.99	0.00	0.99
5.75	0.37	0.00	0.37	8.35	1.07	0.00	1.07
5.80	0.37	0.00	0.37	8.40	1.15	0.00	1.15
5.85	0.38	0.00	0.38	8.45	1.24	0.00	1.24
5.90	0.38	0.00	0.38	8.50	1.33	0.00	1.33
5.95	0.39	0.00	0.39	8.55	1.43	0.00	1.43
6.00	0.39	0.00	0.39	8.60	1.52	0.00	1.52
6.05	0.39	0.00	0.39	8.65	1.61	0.00	1.61
6.10	0.40	0.00	0.40	8.70	1.71	0.00	1.71
6.15	0.41	0.00	0.41	8.75	1.81	0.00	1.81
6.20	0.41	0.00	0.41	8.80	1.90	0.00	1.90
6.25	0.42	0.00	0.42	8.85	2.00	0.00	2.00
6.30	0.43	0.00	0.43	8.90	2.10	0.00	2.10
6.35	0.44	0.00	0.44	8.95	2.20	0.00	2.20
6.40	0.45	0.00	0.45	9.00	2.31	0.00	2.31
6.45	0.45	0.00	0.45	9.05	2.42	0.00	2.42
6.50	0.46	0.00	0.46	9.10	2.55	0.00	2.55
6.55	0.47	0.00	0.47	9.15	2.70	0.00	2.70
6.60	0.48	0.00	0.48	9.20	2.86	0.00	2.86
6.65	0.49	0.00	0.49	9.25	3.03	0.00	3.03
6.70	0.49	0.00	0.49	9.30	3.22	0.00	3.22
6.75	0.50	0.00	0.50	9.35	3.41	0.00	3.41
6.80	0.51	0.00	0.51	9.40	3.60	0.00	3.60
6.85	0.52	0.00	0.52	9.45	3.80	0.00	3.80
6.90	0.53	0.00	0.53	9.50	4.00	0.00	4.00
6.95	0.54	0.00	0.54	9.55	4.22	0.00	4.22
7.00	0.55	0.00	0.55	9.60	4.44	0.00	4.44
7.05	0.55	0.00	0.55	9.65	4.67	0.00	4.67
7.10	0.56	0.00	0.56	9.70	4.91	0.00	4.91
7.15	0.57	0.00	0.57	9.75	5.15	0.00	5.15
7.20	0.58	0.00	0.58	9.80	5.40	0.00	5.40
7.25	0.59	0.00	0.59	9.85	5.66	0.00	5.66
7.30	0.60	0.00	0.60	9.90	5.93	0.00	5.93
7.35	0.61	0.00	0.61	9.95	6.20	0.00	6.20
7.40	0.61	0.00	0.61	10.00	6.48	0.00	6.48
7.45	0.62	0.00	0.62	10.05	6.77	0.00	6.77
7.50	0.63	0.00	0.63	10.10	7.06	0.00	7.06
7.55	0.64	0.00	0.64	10.15	7.36	0.00	7.36
7.60	0.65	0.00	0.65	10.20	7.68	0.00	7.68
7.65	0.66	0.00	0.66	10.25	8.00	0.00	8.00
7.70	0.67	0.00	0.67	10.30	8.32	0.00	8.32
7.75	0.68	0.00	0.68	10.35	8.65	0.00	8.65

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	8.98	0.00	8.98	13.00	59.75	0.00	59.75
10.45	9.33	0.00	9.33	13.05	56.68	0.00	56.68
10.50	9.69	0.00	9.69	13.10	53.54	0.00	53.54
10.55	10.10	0.00	10.10	13.15	50.58	0.00	50.58
10.60	10.71	0.00	10.71	13.20	48.18	0.00	48.18
10.65	11.44	0.00	11.44	13.25	46.21	0.00	46.21
10.70	12.28	0.00	12.28	13.30	44.39	0.00	44.39
10.75	13.16	0.00	13.16	13.35	42.66	0.00	42.66
10.80	14.10	0.00	14.10	13.40	40.93	0.00	40.93
10.85	15.08	0.00	15.08	13.45	39.23	0.00	39.23
10.90	16.10	0.00	16.10	13.50	37.51	0.00	37.51
10.95	17.15	0.00	17.15	13.55	35.82	0.00	35.82
11.00	18.27	0.00	18.27	13.60	34.10	0.00	34.10
11.05	19.47	0.00	19.47	13.65	32.53	0.00	32.53
11.10	21.02	0.00	21.02	13.70	31.46	0.00	31.46
11.15	22.78	0.00	22.78	13.75	30.74	0.00	30.74
11.20	24.74	0.00	24.74	13.80	30.17	0.00	30.17
11.25	26.79	0.00	26.79	13.85	29.69	0.00	29.69
11.30	28.98	0.00	28.98	13.90	29.24	0.00	29.24
11.35	31.23	0.00	31.23	13.95	28.82	0.00	28.82
11.40	33.63	0.00	33.63	14.00	28.37	0.00	28.37
11.45	36.04	0.00	36.04	14.05	27.93	0.00	27.93
11.50	38.44	0.00	38.44	14.10	27.47	0.00	27.47
11.55	41.85	0.00	41.85	14.15	27.03	0.00	27.03
11.60	49.94	0.00	49.94	14.20	26.60	0.00	26.60
11.65	60.10	0.00	60.10	14.25	26.18	0.00	26.18
11.70	67.95	0.00	67.95	14.30	25.72	0.00	25.72
11.75	75.04	0.00	75.04	14.35	25.27	0.00	25.27
11.80	87.05	0.00	87.05	14.40	24.80	0.00	24.80
11.85	103.33	0.00	103.33	14.45	24.36	0.00	24.36
11.90	125.66	0.00	125.66	14.50	23.91	0.00	23.91
11.95	155.73	0.00	155.73	14.55	23.49	0.00	23.49
12.00	207.52	0.00	207.52	14.60	23.02	0.00	23.02
12.05	278.82	0.00	278.82	14.65	22.56	0.00	22.56
12.10	383.12	0.00	383.12	14.70	22.09	0.00	22.09
12.15	476.39	0.00	476.39	14.75	21.64	0.00	21.64
12.20	442.73	0.00	442.73	14.80	21.19	0.00	21.19
12.25	336.99	0.00	336.99	14.85	20.76	0.00	20.76
12.30	256.87	0.00	256.87	14.90	20.29	0.00	20.29
12.35	206.76	0.00	206.76	14.95	19.82	0.00	19.82
12.40	171.38	0.00	171.38	15.00	19.35	0.00	19.35
12.45	145.96	0.00	145.96	15.05	18.89	0.00	18.89
12.50	131.43	0.00	131.43	15.10	18.44	0.00	18.44
12.55	122.05	0.00	122.05	15.15	18.03	0.00	18.03
12.60	107.73	0.00	107.73	15.20	17.75	0.00	17.75
12.65	92.10	0.00	92.10	15.25	17.54	0.00	17.54
12.70	82.25	0.00	82.25	15.30	17.38	0.00	17.38
12.75	76.74	0.00	76.74	15.35	17.25	0.00	17.25
12.80	72.66	0.00	72.66	15.40	17.14	0.00	17.14
12.85	69.25	0.00	69.25	15.45	17.04	0.00	17.04
12.90	65.99	0.00	65.99	15.50	16.91	0.00	16.91
12.95	62.90	0.00	62.90	15.55	16.78	0.00	16.78

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	16.67	0.00	16.67	18.20	10.38	0.00	10.38
15.65	16.56	0.00	16.56	18.25	10.33	0.00	10.33
15.70	16.44	0.00	16.44	18.30	10.29	0.00	10.29
15.75	16.30	0.00	16.30	18.35	10.26	0.00	10.26
15.80	16.17	0.00	16.17	18.40	10.23	0.00	10.23
15.85	16.05	0.00	16.05	18.45	10.19	0.00	10.19
15.90	15.94	0.00	15.94	18.50	10.17	0.00	10.17
15.95	15.85	0.00	15.85	18.55	10.13	0.00	10.13
16.00	15.72	0.00	15.72	18.60	10.11	0.00	10.11
16.05	15.59	0.00	15.59	18.65	10.07	0.00	10.07
16.10	15.47	0.00	15.47	18.70	10.05	0.00	10.05
16.15	15.37	0.00	15.37	18.75	10.01	0.00	10.01
16.20	15.26	0.00	15.26	18.80	9.99	0.00	9.99
16.25	15.14	0.00	15.14	18.85	9.96	0.00	9.96
16.30	15.00	0.00	15.00	18.90	9.93	0.00	9.93
16.35	14.87	0.00	14.87	18.95	9.90	0.00	9.90
16.40	14.75	0.00	14.75	19.00	9.87	0.00	9.87
16.45	14.64	0.00	14.64	19.05	9.84	0.00	9.84
16.50	14.51	0.00	14.51	19.10	9.81	0.00	9.81
16.55	14.38	0.00	14.38	19.15	9.78	0.00	9.78
16.60	14.26	0.00	14.26	19.20	9.74	0.00	9.74
16.65	14.15	0.00	14.15	19.25	9.72	0.00	9.72
16.70	14.04	0.00	14.04	19.30	9.68	0.00	9.68
16.75	13.92	0.00	13.92	19.35	9.66	0.00	9.66
16.80	13.78	0.00	13.78	19.40	9.62	0.00	9.62
16.85	13.64	0.00	13.64	19.45	9.59	0.00	9.59
16.90	13.53	0.00	13.53	19.50	9.56	0.00	9.56
16.95	13.42	0.00	13.42	19.55	9.53	0.00	9.53
17.00	13.31	0.00	13.31	19.60	9.50	0.00	9.50
17.05	13.19	0.00	13.19	19.65	9.47	0.00	9.47
17.10	13.06	0.00	13.06	19.70	9.44	0.00	9.44
17.15	12.94	0.00	12.94	19.75	9.42	0.00	9.42
17.20	12.82	0.00	12.82	19.80	9.40	0.00	9.40
17.25	12.69	0.00	12.69	19.85	9.39	0.00	9.39
17.30	12.55	0.00	12.55	19.90	9.35	0.00	9.35
17.35	12.41	0.00	12.41	19.95	9.31	0.00	9.31
17.40	12.29	0.00	12.29	20.00	9.27	0.00	9.27
17.45	12.18	0.00	12.18	20.05	9.23	0.00	9.23
17.50	12.06	0.00	12.06	20.10	9.20	0.00	9.20
17.55	11.95	0.00	11.95	20.15	9.17	0.00	9.17
17.60	11.82	0.00	11.82	20.20	9.14	0.00	9.14
17.65	11.70	0.00	11.70	20.25	9.11	0.00	9.11
17.70	11.57	0.00	11.57	20.30	9.08	0.00	9.08
17.75	11.45	0.00	11.45	20.35	9.04	0.00	9.04
17.80	11.32	0.00	11.32	20.40	9.02	0.00	9.02
17.85	11.20	0.00	11.20	20.45	8.98	0.00	8.98
17.90	11.07	0.00	11.07	20.50	8.95	0.00	8.95
17.95	10.95	0.00	10.95	20.55	8.93	0.00	8.93
18.00	10.82	0.00	10.82	20.60	8.91	0.00	8.91
18.05	10.70	0.00	10.70	20.65	8.90	0.00	8.90
18.10	10.57	0.00	10.57	20.70	8.87	0.00	8.87
18.15	10.46	0.00	10.46	20.75	8.82	0.00	8.82

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	8.78	0.00	8.78	23.40	7.16	0.00	7.16
20.85	8.74	0.00	8.74	23.45	7.15	0.00	7.15
20.90	8.71	0.00	8.71	23.50	7.11	0.00	7.11
20.95	8.68	0.00	8.68	23.55	7.06	0.00	7.06
21.00	8.64	0.00	8.64	23.60	7.02	0.00	7.02
21.05	8.61	0.00	8.61	23.65	6.99	0.00	6.99
21.10	8.58	0.00	8.58	23.70	6.97	0.00	6.97
21.15	8.55	0.00	8.55	23.75	6.96	0.00	6.96
21.20	8.52	0.00	8.52	23.80	6.92	0.00	6.92
21.25	8.49	0.00	8.49	23.85	6.87	0.00	6.87
21.30	8.48	0.00	8.48	23.90	6.83	0.00	6.83
21.35	8.47	0.00	8.47	23.95	6.88	0.00	6.88
21.40	8.43	0.00	8.43	24.00	7.29	0.00	7.29
21.45	8.38	0.00	8.38	24.05	7.40	0.00	7.40
21.50	8.34	0.00	8.34	24.10	5.54	0.00	5.54
21.55	8.31	0.00	8.31	24.15	2.84	0.00	2.84
21.60	8.27	0.00	8.27	24.20	1.24	0.00	1.24
21.65	8.24	0.00	8.24	24.25	0.54	0.00	0.54
21.70	8.21	0.00	8.21	24.30	0.23	0.00	0.23
21.75	8.18	0.00	8.18	24.35	0.10	0.00	0.10
21.80	8.17	0.00	8.17	24.40	0.04	0.00	0.04
21.85	8.15	0.00	8.15	24.45	0.01	0.00	0.01
21.90	8.12	0.00	8.12	24.50	0.00	0.00	0.00
21.95	8.07	0.00	8.07	24.55	0.00	0.00	0.00
22.00	8.03	0.00	8.03	24.60	0.00	0.00	0.00
22.05	7.99	0.00	7.99	24.65	0.00	0.00	0.00
22.10	7.96	0.00	7.96	24.70	0.00	0.00	0.00
22.15	7.93	0.00	7.93	24.75	0.00	0.00	0.00
22.20	7.92	0.00	7.92	24.80	0.00	0.00	0.00
22.25	7.90	0.00	7.90	24.85	0.00	0.00	0.00
22.30	7.87	0.00	7.87	24.90	0.00	0.00	0.00
22.35	7.82	0.00	7.82	24.95	0.00	0.00	0.00
22.40	7.78	0.00	7.78	25.00	0.00	0.00	0.00
22.45	7.74	0.00	7.74	25.05	0.00	0.00	0.00
22.50	7.71	0.00	7.71	25.10	0.00	0.00	0.00
22.55	7.68	0.00	7.68	25.15	0.00	0.00	0.00
22.60	7.67	0.00	7.67	25.20	0.00	0.00	0.00
22.65	7.65	0.00	7.65	25.25	0.00	0.00	0.00
22.70	7.62	0.00	7.62	25.30	0.00	0.00	0.00
22.75	7.57	0.00	7.57	25.35	0.00	0.00	0.00
22.80	7.53	0.00	7.53	25.40	0.00	0.00	0.00
22.85	7.49	0.00	7.49	25.45	0.00	0.00	0.00
22.90	7.46	0.00	7.46	25.50	0.00	0.00	0.00
22.95	7.43	0.00	7.43	25.55	0.00	0.00	0.00
23.00	7.41	0.00	7.41	25.60	0.00	0.00	0.00
23.05	7.40	0.00	7.40	25.65	0.00	0.00	0.00
23.10	7.36	0.00	7.36	25.70	0.00	0.00	0.00
23.15	7.32	0.00	7.32	25.75	0.00	0.00	0.00
23.20	7.27	0.00	7.27	25.80	0.00	0.00	0.00
23.25	7.24	0.00	7.24	25.85	0.00	0.00	0.00
23.30	7.20	0.00	7.20	25.90	0.00	0.00	0.00
23.35	7.17	0.00	7.17	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

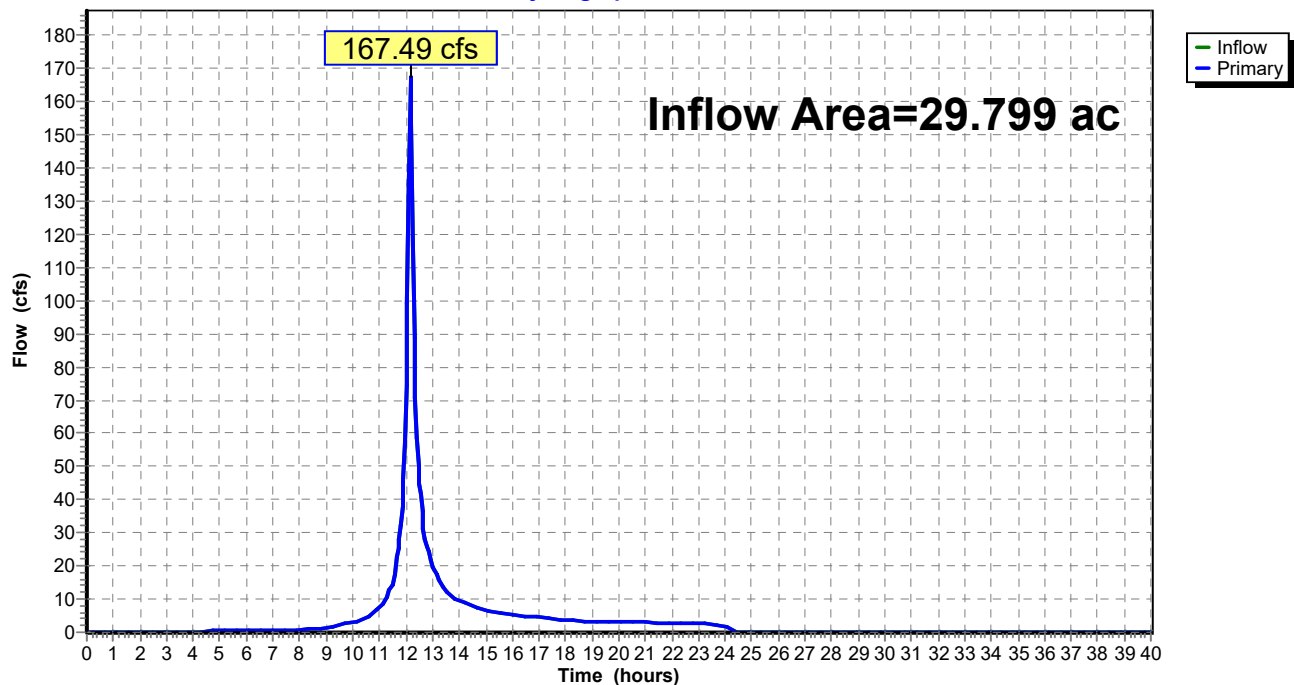
Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 4.98" for Current 100 yr event
Inflow = 167.49 cfs @ 12.16 hrs, Volume= 12.369 af
Primary = 167.49 cfs @ 12.16 hrs, Volume= 12.369 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10**Hydrograph**

Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.07	0.00	0.07
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.10	0.00	0.10
0.30	0.00	0.00	0.00	2.90	0.10	0.00	0.10
0.35	0.00	0.00	0.00	2.95	0.11	0.00	0.11
0.40	0.00	0.00	0.00	3.00	0.11	0.00	0.11
0.45	0.00	0.00	0.00	3.05	0.12	0.00	0.12
0.50	0.00	0.00	0.00	3.10	0.12	0.00	0.12
0.55	0.00	0.00	0.00	3.15	0.13	0.00	0.13
0.60	0.00	0.00	0.00	3.20	0.13	0.00	0.13
0.65	0.00	0.00	0.00	3.25	0.14	0.00	0.14
0.70	0.00	0.00	0.00	3.30	0.14	0.00	0.14
0.75	0.00	0.00	0.00	3.35	0.15	0.00	0.15
0.80	0.00	0.00	0.00	3.40	0.16	0.00	0.16
0.85	0.00	0.00	0.00	3.45	0.16	0.00	0.16
0.90	0.00	0.00	0.00	3.50	0.17	0.00	0.17
0.95	0.00	0.00	0.00	3.55	0.17	0.00	0.17
1.00	0.00	0.00	0.00	3.60	0.18	0.00	0.18
1.05	0.00	0.00	0.00	3.65	0.18	0.00	0.18
1.10	0.00	0.00	0.00	3.70	0.19	0.00	0.19
1.15	0.00	0.00	0.00	3.75	0.19	0.00	0.19
1.20	0.00	0.00	0.00	3.80	0.19	0.00	0.19
1.25	0.00	0.00	0.00	3.85	0.20	0.00	0.20
1.30	0.00	0.00	0.00	3.90	0.20	0.00	0.20
1.35	0.00	0.00	0.00	3.95	0.21	0.00	0.21
1.40	0.00	0.00	0.00	4.00	0.21	0.00	0.21
1.45	0.00	0.00	0.00	4.05	0.22	0.00	0.22
1.50	0.00	0.00	0.00	4.10	0.22	0.00	0.22
1.55	0.00	0.00	0.00	4.15	0.23	0.00	0.23
1.60	0.00	0.00	0.00	4.20	0.23	0.00	0.23
1.65	0.00	0.00	0.00	4.25	0.24	0.00	0.24
1.70	0.00	0.00	0.00	4.30	0.24	0.00	0.24
1.75	0.00	0.00	0.00	4.35	0.25	0.00	0.25
1.80	0.00	0.00	0.00	4.40	0.25	0.00	0.25
1.85	0.00	0.00	0.00	4.45	0.26	0.00	0.26
1.90	0.00	0.00	0.00	4.50	0.26	0.00	0.26
1.95	0.00	0.00	0.00	4.55	0.27	0.00	0.27
2.00	0.01	0.00	0.01	4.60	0.27	0.00	0.27
2.05	0.01	0.00	0.01	4.65	0.27	0.00	0.27
2.10	0.02	0.00	0.02	4.70	0.28	0.00	0.28
2.15	0.02	0.00	0.02	4.75	0.28	0.00	0.28
2.20	0.03	0.00	0.03	4.80	0.29	0.00	0.29
2.25	0.03	0.00	0.03	4.85	0.29	0.00	0.29
2.30	0.04	0.00	0.04	4.90	0.30	0.00	0.30
2.35	0.04	0.00	0.04	4.95	0.30	0.00	0.30
2.40	0.05	0.00	0.05	5.00	0.31	0.00	0.31
2.45	0.05	0.00	0.05	5.05	0.31	0.00	0.31
2.50	0.06	0.00	0.06	5.10	0.31	0.00	0.31
2.55	0.07	0.00	0.07	5.15	0.32	0.00	0.32

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.32	0.00	0.32	7.80	0.69	0.00	0.69
5.25	0.33	0.00	0.33	7.85	0.70	0.00	0.70
5.30	0.33	0.00	0.33	7.90	0.71	0.00	0.71
5.35	0.34	0.00	0.34	7.95	0.72	0.00	0.72
5.40	0.34	0.00	0.34	8.00	0.73	0.00	0.73
5.45	0.34	0.00	0.34	8.05	0.76	0.00	0.76
5.50	0.35	0.00	0.35	8.10	0.78	0.00	0.78
5.55	0.35	0.00	0.35	8.15	0.81	0.00	0.81
5.60	0.36	0.00	0.36	8.20	0.84	0.00	0.84
5.65	0.36	0.00	0.36	8.25	0.87	0.00	0.87
5.70	0.36	0.00	0.36	8.30	0.91	0.00	0.91
5.75	0.37	0.00	0.37	8.35	0.94	0.00	0.94
5.80	0.37	0.00	0.37	8.40	0.97	0.00	0.97
5.85	0.38	0.00	0.38	8.45	1.00	0.00	1.00
5.90	0.38	0.00	0.38	8.50	1.04	0.00	1.04
5.95	0.39	0.00	0.39	8.55	1.07	0.00	1.07
6.00	0.39	0.00	0.39	8.60	1.11	0.00	1.11
6.05	0.39	0.00	0.39	8.65	1.14	0.00	1.14
6.10	0.40	0.00	0.40	8.70	1.18	0.00	1.18
6.15	0.41	0.00	0.41	8.75	1.21	0.00	1.21
6.20	0.41	0.00	0.41	8.80	1.25	0.00	1.25
6.25	0.42	0.00	0.42	8.85	1.28	0.00	1.28
6.30	0.43	0.00	0.43	8.90	1.32	0.00	1.32
6.35	0.44	0.00	0.44	8.95	1.35	0.00	1.35
6.40	0.45	0.00	0.45	9.00	1.39	0.00	1.39
6.45	0.45	0.00	0.45	9.05	1.44	0.00	1.44
6.50	0.46	0.00	0.46	9.10	1.49	0.00	1.49
6.55	0.47	0.00	0.47	9.15	1.55	0.00	1.55
6.60	0.48	0.00	0.48	9.20	1.62	0.00	1.62
6.65	0.49	0.00	0.49	9.25	1.69	0.00	1.69
6.70	0.49	0.00	0.49	9.30	1.76	0.00	1.76
6.75	0.50	0.00	0.50	9.35	1.84	0.00	1.84
6.80	0.51	0.00	0.51	9.40	1.92	0.00	1.92
6.85	0.52	0.00	0.52	9.45	2.00	0.00	2.00
6.90	0.53	0.00	0.53	9.50	2.08	0.00	2.08
6.95	0.54	0.00	0.54	9.55	2.17	0.00	2.17
7.00	0.55	0.00	0.55	9.60	2.26	0.00	2.26
7.05	0.55	0.00	0.55	9.65	2.35	0.00	2.35
7.10	0.56	0.00	0.56	9.70	2.44	0.00	2.44
7.15	0.57	0.00	0.57	9.75	2.53	0.00	2.53
7.20	0.58	0.00	0.58	9.80	2.63	0.00	2.63
7.25	0.59	0.00	0.59	9.85	2.72	0.00	2.72
7.30	0.60	0.00	0.60	9.90	2.83	0.00	2.83
7.35	0.61	0.00	0.61	9.95	2.93	0.00	2.93
7.40	0.61	0.00	0.61	10.00	3.03	0.00	3.03
7.45	0.62	0.00	0.62	10.05	3.14	0.00	3.14
7.50	0.63	0.00	0.63	10.10	3.25	0.00	3.25
7.55	0.64	0.00	0.64	10.15	3.36	0.00	3.36
7.60	0.65	0.00	0.65	10.20	3.48	0.00	3.48
7.65	0.66	0.00	0.66	10.25	3.59	0.00	3.59
7.70	0.67	0.00	0.67	10.30	3.71	0.00	3.71
7.75	0.68	0.00	0.68	10.35	3.83	0.00	3.83

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.95	0.00	3.95	13.00	20.27	0.00	20.27
10.45	4.07	0.00	4.07	13.05	19.22	0.00	19.22
10.50	4.20	0.00	4.20	13.10	18.15	0.00	18.15
10.55	4.35	0.00	4.35	13.15	17.14	0.00	17.14
10.60	4.59	0.00	4.59	13.20	16.32	0.00	16.32
10.65	4.87	0.00	4.87	13.25	15.65	0.00	15.65
10.70	5.19	0.00	5.19	13.30	15.03	0.00	15.03
10.75	5.53	0.00	5.53	13.35	14.44	0.00	14.44
10.80	5.89	0.00	5.89	13.40	13.85	0.00	13.85
10.85	6.26	0.00	6.26	13.45	13.27	0.00	13.27
10.90	6.65	0.00	6.65	13.50	12.69	0.00	12.69
10.95	7.04	0.00	7.04	13.55	12.11	0.00	12.11
11.00	7.45	0.00	7.45	13.60	11.53	0.00	11.53
11.05	7.89	0.00	7.89	13.65	11.00	0.00	11.00
11.10	8.47	0.00	8.47	13.70	10.63	0.00	10.63
11.15	9.12	0.00	9.12	13.75	10.39	0.00	10.39
11.20	9.85	0.00	9.85	13.80	10.19	0.00	10.19
11.25	10.60	0.00	10.60	13.85	10.03	0.00	10.03
11.30	11.40	0.00	11.40	13.90	9.88	0.00	9.88
11.35	12.22	0.00	12.22	13.95	9.73	0.00	9.73
11.40	13.08	0.00	13.08	14.00	9.58	0.00	9.58
11.45	13.94	0.00	13.94	14.05	9.43	0.00	9.43
11.50	14.78	0.00	14.78	14.10	9.27	0.00	9.27
11.55	16.00	0.00	16.00	14.15	9.12	0.00	9.12
11.60	18.97	0.00	18.97	14.20	8.97	0.00	8.97
11.65	22.69	0.00	22.69	14.25	8.83	0.00	8.83
11.70	25.50	0.00	25.50	14.30	8.68	0.00	8.68
11.75	27.98	0.00	27.98	14.35	8.52	0.00	8.52
11.80	32.24	0.00	32.24	14.40	8.36	0.00	8.36
11.85	38.00	0.00	38.00	14.45	8.21	0.00	8.21
11.90	45.88	0.00	45.88	14.50	8.06	0.00	8.06
11.95	56.42	0.00	56.42	14.55	7.92	0.00	7.92
12.00	74.53	0.00	74.53	14.60	7.76	0.00	7.76
12.05	99.23	0.00	99.23	14.65	7.61	0.00	7.61
12.10	135.01	0.00	135.01	14.70	7.45	0.00	7.45
12.15	166.49	0.00	166.49	14.75	7.29	0.00	7.29
12.20	153.86	0.00	153.86	14.80	7.14	0.00	7.14
12.25	116.61	0.00	116.61	14.85	6.99	0.00	6.99
12.30	88.56	0.00	88.56	14.90	6.84	0.00	6.84
12.35	71.06	0.00	71.06	14.95	6.68	0.00	6.68
12.40	58.75	0.00	58.75	15.00	6.52	0.00	6.52
12.45	49.94	0.00	49.94	15.05	6.36	0.00	6.36
12.50	44.90	0.00	44.90	15.10	6.21	0.00	6.21
12.55	41.64	0.00	41.64	15.15	6.07	0.00	6.07
12.60	36.72	0.00	36.72	15.20	5.98	0.00	5.98
12.65	31.36	0.00	31.36	15.25	5.91	0.00	5.91
12.70	27.99	0.00	27.99	15.30	5.85	0.00	5.85
12.75	26.10	0.00	26.10	15.35	5.81	0.00	5.81
12.80	24.69	0.00	24.69	15.40	5.77	0.00	5.77
12.85	23.52	0.00	23.52	15.45	5.73	0.00	5.73
12.90	22.41	0.00	22.41	15.50	5.69	0.00	5.69
12.95	21.35	0.00	21.35	15.55	5.65	0.00	5.65

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.61	0.00	5.61	18.20	3.48	0.00	3.48
15.65	5.57	0.00	5.57	18.25	3.47	0.00	3.47
15.70	5.53	0.00	5.53	18.30	3.45	0.00	3.45
15.75	5.49	0.00	5.49	18.35	3.44	0.00	3.44
15.80	5.44	0.00	5.44	18.40	3.43	0.00	3.43
15.85	5.40	0.00	5.40	18.45	3.42	0.00	3.42
15.90	5.36	0.00	5.36	18.50	3.41	0.00	3.41
15.95	5.33	0.00	5.33	18.55	3.40	0.00	3.40
16.00	5.29	0.00	5.29	18.60	3.39	0.00	3.39
16.05	5.24	0.00	5.24	18.65	3.38	0.00	3.38
16.10	5.20	0.00	5.20	18.70	3.37	0.00	3.37
16.15	5.17	0.00	5.17	18.75	3.36	0.00	3.36
16.20	5.13	0.00	5.13	18.80	3.35	0.00	3.35
16.25	5.09	0.00	5.09	18.85	3.34	0.00	3.34
16.30	5.04	0.00	5.04	18.90	3.33	0.00	3.33
16.35	5.00	0.00	5.00	18.95	3.32	0.00	3.32
16.40	4.96	0.00	4.96	19.00	3.31	0.00	3.31
16.45	4.92	0.00	4.92	19.05	3.30	0.00	3.30
16.50	4.88	0.00	4.88	19.10	3.29	0.00	3.29
16.55	4.83	0.00	4.83	19.15	3.28	0.00	3.28
16.60	4.79	0.00	4.79	19.20	3.27	0.00	3.27
16.65	4.76	0.00	4.76	19.25	3.26	0.00	3.26
16.70	4.72	0.00	4.72	19.30	3.25	0.00	3.25
16.75	4.68	0.00	4.68	19.35	3.24	0.00	3.24
16.80	4.63	0.00	4.63	19.40	3.23	0.00	3.23
16.85	4.58	0.00	4.58	19.45	3.22	0.00	3.22
16.90	4.54	0.00	4.54	19.50	3.21	0.00	3.21
16.95	4.51	0.00	4.51	19.55	3.20	0.00	3.20
17.00	4.47	0.00	4.47	19.60	3.19	0.00	3.19
17.05	4.43	0.00	4.43	19.65	3.18	0.00	3.18
17.10	4.39	0.00	4.39	19.70	3.16	0.00	3.16
17.15	4.35	0.00	4.35	19.75	3.16	0.00	3.16
17.20	4.31	0.00	4.31	19.80	3.15	0.00	3.15
17.25	4.26	0.00	4.26	19.85	3.15	0.00	3.15
17.30	4.21	0.00	4.21	19.90	3.14	0.00	3.14
17.35	4.17	0.00	4.17	19.95	3.12	0.00	3.12
17.40	4.13	0.00	4.13	20.00	3.11	0.00	3.11
17.45	4.09	0.00	4.09	20.05	3.09	0.00	3.09
17.50	4.05	0.00	4.05	20.10	3.08	0.00	3.08
17.55	4.01	0.00	4.01	20.15	3.07	0.00	3.07
17.60	3.97	0.00	3.97	20.20	3.06	0.00	3.06
17.65	3.93	0.00	3.93	20.25	3.05	0.00	3.05
17.70	3.89	0.00	3.89	20.30	3.04	0.00	3.04
17.75	3.84	0.00	3.84	20.35	3.03	0.00	3.03
17.80	3.80	0.00	3.80	20.40	3.02	0.00	3.02
17.85	3.76	0.00	3.76	20.45	3.01	0.00	3.01
17.90	3.72	0.00	3.72	20.50	3.00	0.00	3.00
17.95	3.67	0.00	3.67	20.55	2.99	0.00	2.99
18.00	3.63	0.00	3.63	20.60	2.99	0.00	2.99
18.05	3.59	0.00	3.59	20.65	2.98	0.00	2.98
18.10	3.55	0.00	3.55	20.70	2.97	0.00	2.97
18.15	3.51	0.00	3.51	20.75	2.95	0.00	2.95

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.94	0.00	2.94	23.40	2.39	0.00	2.39
20.85	2.93	0.00	2.93	23.45	2.39	0.00	2.39
20.90	2.92	0.00	2.92	23.50	2.38	0.00	2.38
20.95	2.91	0.00	2.91	23.55	2.36	0.00	2.36
21.00	2.90	0.00	2.90	23.60	2.35	0.00	2.35
21.05	2.89	0.00	2.89	23.65	2.34	0.00	2.34
21.10	2.87	0.00	2.87	23.70	2.33	0.00	2.33
21.15	2.86	0.00	2.86	23.75	2.33	0.00	2.33
21.20	2.85	0.00	2.85	23.80	2.31	0.00	2.31
21.25	2.84	0.00	2.84	23.85	2.30	0.00	2.30
21.30	2.84	0.00	2.84	23.90	2.28	0.00	2.28
21.35	2.84	0.00	2.84	23.95	2.30	0.00	2.30
21.40	2.82	0.00	2.82	24.00	2.44	0.00	2.44
21.45	2.81	0.00	2.81	24.05	2.48	0.00	2.48
21.50	2.79	0.00	2.79	24.10	1.85	0.00	1.85
21.55	2.78	0.00	2.78	24.15	0.95	0.00	0.95
21.60	2.77	0.00	2.77	24.20	0.41	0.00	0.41
21.65	2.76	0.00	2.76	24.25	0.18	0.00	0.18
21.70	2.75	0.00	2.75	24.30	0.08	0.00	0.08
21.75	2.74	0.00	2.74	24.35	0.03	0.00	0.03
21.80	2.73	0.00	2.73	24.40	0.01	0.00	0.01
21.85	2.73	0.00	2.73	24.45	0.00	0.00	0.00
21.90	2.72	0.00	2.72	24.50	0.00	0.00	0.00
21.95	2.70	0.00	2.70	24.55	0.00	0.00	0.00
22.00	2.69	0.00	2.69	24.60	0.00	0.00	0.00
22.05	2.68	0.00	2.68	24.65	0.00	0.00	0.00
22.10	2.66	0.00	2.66	24.70	0.00	0.00	0.00
22.15	2.65	0.00	2.65	24.75	0.00	0.00	0.00
22.20	2.65	0.00	2.65	24.80	0.00	0.00	0.00
22.25	2.65	0.00	2.65	24.85	0.00	0.00	0.00
22.30	2.63	0.00	2.63	24.90	0.00	0.00	0.00
22.35	2.62	0.00	2.62	24.95	0.00	0.00	0.00
22.40	2.60	0.00	2.60	25.00	0.00	0.00	0.00
22.45	2.59	0.00	2.59	25.05	0.00	0.00	0.00
22.50	2.58	0.00	2.58	25.10	0.00	0.00	0.00
22.55	2.57	0.00	2.57	25.15	0.00	0.00	0.00
22.60	2.57	0.00	2.57	25.20	0.00	0.00	0.00
22.65	2.56	0.00	2.56	25.25	0.00	0.00	0.00
22.70	2.55	0.00	2.55	25.30	0.00	0.00	0.00
22.75	2.53	0.00	2.53	25.35	0.00	0.00	0.00
22.80	2.52	0.00	2.52	25.40	0.00	0.00	0.00
22.85	2.51	0.00	2.51	25.45	0.00	0.00	0.00
22.90	2.49	0.00	2.49	25.50	0.00	0.00	0.00
22.95	2.49	0.00	2.49	25.55	0.00	0.00	0.00
23.00	2.48	0.00	2.48	25.60	0.00	0.00	0.00
23.05	2.48	0.00	2.48	25.65	0.00	0.00	0.00
23.10	2.46	0.00	2.46	25.70	0.00	0.00	0.00
23.15	2.45	0.00	2.45	25.75	0.00	0.00	0.00
23.20	2.43	0.00	2.43	25.80	0.00	0.00	0.00
23.25	2.42	0.00	2.42	25.85	0.00	0.00	0.00
23.30	2.41	0.00	2.41	25.90	0.00	0.00	0.00
23.35	2.40	0.00	2.40	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

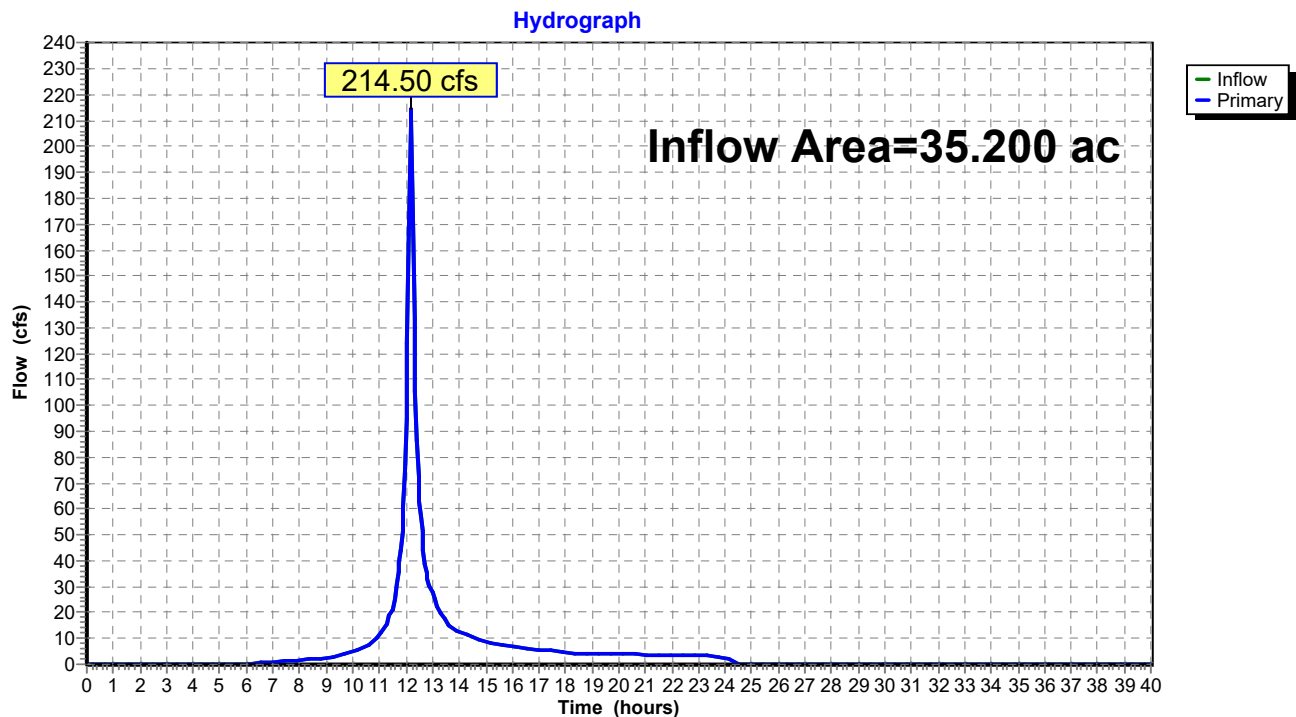
Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 5.68" for Current 100 yr event
Inflow = 214.50 cfs @ 12.18 hrs, Volume= 16.660 af
Primary = 214.50 cfs @ 12.18 hrs, Volume= 16.660 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	1.33	0.00	1.33
5.25	0.00	0.00	0.00	7.85	1.38	0.00	1.38
5.30	0.00	0.00	0.00	7.90	1.42	0.00	1.42
5.35	0.00	0.00	0.00	7.95	1.47	0.00	1.47
5.40	0.00	0.00	0.00	8.00	1.51	0.00	1.51
5.45	0.00	0.00	0.00	8.05	1.56	0.00	1.56
5.50	0.00	0.00	0.00	8.10	1.61	0.00	1.61
5.55	0.00	0.00	0.00	8.15	1.65	0.00	1.65
5.60	0.01	0.00	0.01	8.20	1.70	0.00	1.70
5.65	0.02	0.00	0.02	8.25	1.75	0.00	1.75
5.70	0.03	0.00	0.03	8.30	1.80	0.00	1.80
5.75	0.05	0.00	0.05	8.35	1.84	0.00	1.84
5.80	0.07	0.00	0.07	8.40	1.89	0.00	1.89
5.85	0.09	0.00	0.09	8.45	1.94	0.00	1.94
5.90	0.11	0.00	0.11	8.50	1.99	0.00	1.99
5.95	0.13	0.00	0.13	8.55	2.05	0.00	2.05
6.00	0.16	0.00	0.16	8.60	2.10	0.00	2.10
6.05	0.18	0.00	0.18	8.65	2.15	0.00	2.15
6.10	0.20	0.00	0.20	8.70	2.20	0.00	2.20
6.15	0.22	0.00	0.22	8.75	2.26	0.00	2.26
6.20	0.25	0.00	0.25	8.80	2.31	0.00	2.31
6.25	0.27	0.00	0.27	8.85	2.36	0.00	2.36
6.30	0.29	0.00	0.29	8.90	2.41	0.00	2.41
6.35	0.32	0.00	0.32	8.95	2.47	0.00	2.47
6.40	0.35	0.00	0.35	9.00	2.53	0.00	2.53
6.45	0.37	0.00	0.37	9.05	2.59	0.00	2.59
6.50	0.40	0.00	0.40	9.10	2.66	0.00	2.66
6.55	0.43	0.00	0.43	9.15	2.75	0.00	2.75
6.60	0.46	0.00	0.46	9.20	2.86	0.00	2.86
6.65	0.49	0.00	0.49	9.25	2.97	0.00	2.97
6.70	0.52	0.00	0.52	9.30	3.08	0.00	3.08
6.75	0.55	0.00	0.55	9.35	3.21	0.00	3.21
6.80	0.58	0.00	0.58	9.40	3.33	0.00	3.33
6.85	0.61	0.00	0.61	9.45	3.45	0.00	3.45
6.90	0.64	0.00	0.64	9.50	3.58	0.00	3.58
6.95	0.68	0.00	0.68	9.55	3.71	0.00	3.71
7.00	0.71	0.00	0.71	9.60	3.84	0.00	3.84
7.05	0.75	0.00	0.75	9.65	3.98	0.00	3.98
7.10	0.78	0.00	0.78	9.70	4.12	0.00	4.12
7.15	0.82	0.00	0.82	9.75	4.26	0.00	4.26
7.20	0.85	0.00	0.85	9.80	4.41	0.00	4.41
7.25	0.89	0.00	0.89	9.85	4.55	0.00	4.55
7.30	0.93	0.00	0.93	9.90	4.71	0.00	4.71
7.35	0.96	0.00	0.96	9.95	4.86	0.00	4.86
7.40	1.00	0.00	1.00	10.00	5.02	0.00	5.02
7.45	1.04	0.00	1.04	10.05	5.18	0.00	5.18
7.50	1.08	0.00	1.08	10.10	5.34	0.00	5.34
7.55	1.12	0.00	1.12	10.15	5.50	0.00	5.50
7.60	1.16	0.00	1.16	10.20	5.67	0.00	5.67
7.65	1.20	0.00	1.20	10.25	5.84	0.00	5.84
7.70	1.25	0.00	1.25	10.30	6.01	0.00	6.01
7.75	1.29	0.00	1.29	10.35	6.18	0.00	6.18

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.36	0.00	6.36	13.00	26.93	0.00	26.93
10.45	6.54	0.00	6.54	13.05	25.52	0.00	25.52
10.50	6.72	0.00	6.72	13.10	24.12	0.00	24.12
10.55	6.93	0.00	6.93	13.15	22.78	0.00	22.78
10.60	7.23	0.00	7.23	13.20	21.61	0.00	21.61
10.65	7.63	0.00	7.63	13.25	20.66	0.00	20.66
10.70	8.09	0.00	8.09	13.30	19.80	0.00	19.80
10.75	8.58	0.00	8.58	13.35	19.00	0.00	19.00
10.80	9.10	0.00	9.10	13.40	18.22	0.00	18.22
10.85	9.65	0.00	9.65	13.45	17.46	0.00	17.46
10.90	10.21	0.00	10.21	13.50	16.70	0.00	16.70
10.95	10.78	0.00	10.78	13.55	15.95	0.00	15.95
11.00	11.37	0.00	11.37	13.60	15.20	0.00	15.20
11.05	11.99	0.00	11.99	13.65	14.48	0.00	14.48
11.10	12.77	0.00	12.77	13.70	13.92	0.00	13.92
11.15	13.68	0.00	13.68	13.75	13.54	0.00	13.54
11.20	14.70	0.00	14.70	13.80	13.25	0.00	13.25
11.25	15.77	0.00	15.77	13.85	13.01	0.00	13.01
11.30	16.89	0.00	16.89	13.90	12.79	0.00	12.79
11.35	18.04	0.00	18.04	13.95	12.60	0.00	12.60
11.40	19.24	0.00	19.24	14.00	12.40	0.00	12.40
11.45	20.46	0.00	20.46	14.05	12.19	0.00	12.19
11.50	21.65	0.00	21.65	14.10	11.99	0.00	11.99
11.55	23.15	0.00	23.15	14.15	11.80	0.00	11.80
11.60	26.47	0.00	26.47	14.20	11.60	0.00	11.60
11.65	31.34	0.00	31.34	14.25	11.41	0.00	11.41
11.70	35.68	0.00	35.68	14.30	11.22	0.00	11.22
11.75	39.22	0.00	39.22	14.35	11.02	0.00	11.02
11.80	44.26	0.00	44.26	14.40	10.81	0.00	10.81
11.85	51.45	0.00	51.45	14.45	10.62	0.00	10.62
11.90	61.11	0.00	61.11	14.50	10.42	0.00	10.42
11.95	73.82	0.00	73.82	14.55	10.23	0.00	10.23
12.00	94.45	0.00	94.45	14.60	10.03	0.00	10.03
12.05	124.10	0.00	124.10	14.65	9.83	0.00	9.83
12.10	165.77	0.00	165.77	14.70	9.62	0.00	9.62
12.15	207.97	0.00	207.97	14.75	9.43	0.00	9.43
12.20	210.77	0.00	210.77	14.80	9.23	0.00	9.23
12.25	173.31	0.00	173.31	14.85	9.04	0.00	9.04
12.30	133.21	0.00	133.21	14.90	8.84	0.00	8.84
12.35	105.67	0.00	105.67	14.95	8.63	0.00	8.63
12.40	86.29	0.00	86.29	15.00	8.43	0.00	8.43
12.45	72.27	0.00	72.27	15.05	8.23	0.00	8.23
12.50	63.14	0.00	63.14	15.10	8.03	0.00	8.03
12.55	57.44	0.00	57.44	15.15	7.84	0.00	7.84
12.60	51.29	0.00	51.29	15.20	7.70	0.00	7.70
12.65	44.16	0.00	44.16	15.25	7.59	0.00	7.59
12.70	38.68	0.00	38.68	15.30	7.51	0.00	7.51
12.75	35.42	0.00	35.42	15.35	7.45	0.00	7.45
12.80	33.18	0.00	33.18	15.40	7.39	0.00	7.39
12.85	31.41	0.00	31.41	15.45	7.34	0.00	7.34
12.90	29.83	0.00	29.83	15.50	7.29	0.00	7.29
12.95	28.37	0.00	28.37	15.55	7.23	0.00	7.23

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.18	0.00	7.18	18.20	4.44	0.00	4.44
15.65	7.13	0.00	7.13	18.25	4.41	0.00	4.41
15.70	7.08	0.00	7.08	18.30	4.39	0.00	4.39
15.75	7.02	0.00	7.02	18.35	4.37	0.00	4.37
15.80	6.96	0.00	6.96	18.40	4.36	0.00	4.36
15.85	6.91	0.00	6.91	18.45	4.34	0.00	4.34
15.90	6.86	0.00	6.86	18.50	4.33	0.00	4.33
15.95	6.82	0.00	6.82	18.55	4.32	0.00	4.32
16.00	6.76	0.00	6.76	18.60	4.30	0.00	4.30
16.05	6.71	0.00	6.71	18.65	4.29	0.00	4.29
16.10	6.65	0.00	6.65	18.70	4.28	0.00	4.28
16.15	6.61	0.00	6.61	18.75	4.26	0.00	4.26
16.20	6.56	0.00	6.56	18.80	4.25	0.00	4.25
16.25	6.51	0.00	6.51	18.85	4.24	0.00	4.24
16.30	6.45	0.00	6.45	18.90	4.23	0.00	4.23
16.35	6.39	0.00	6.39	18.95	4.21	0.00	4.21
16.40	6.34	0.00	6.34	19.00	4.20	0.00	4.20
16.45	6.29	0.00	6.29	19.05	4.19	0.00	4.19
16.50	6.23	0.00	6.23	19.10	4.17	0.00	4.17
16.55	6.18	0.00	6.18	19.15	4.16	0.00	4.16
16.60	6.12	0.00	6.12	19.20	4.15	0.00	4.15
16.65	6.08	0.00	6.08	19.25	4.13	0.00	4.13
16.70	6.03	0.00	6.03	19.30	4.12	0.00	4.12
16.75	5.98	0.00	5.98	19.35	4.11	0.00	4.11
16.80	5.92	0.00	5.92	19.40	4.09	0.00	4.09
16.85	5.86	0.00	5.86	19.45	4.08	0.00	4.08
16.90	5.80	0.00	5.80	19.50	4.07	0.00	4.07
16.95	5.76	0.00	5.76	19.55	4.05	0.00	4.05
17.00	5.71	0.00	5.71	19.60	4.04	0.00	4.04
17.05	5.66	0.00	5.66	19.65	4.03	0.00	4.03
17.10	5.60	0.00	5.60	19.70	4.01	0.00	4.01
17.15	5.55	0.00	5.55	19.75	4.00	0.00	4.00
17.20	5.50	0.00	5.50	19.80	3.99	0.00	3.99
17.25	5.44	0.00	5.44	19.85	3.99	0.00	3.99
17.30	5.38	0.00	5.38	19.90	3.97	0.00	3.97
17.35	5.32	0.00	5.32	19.95	3.96	0.00	3.96
17.40	5.27	0.00	5.27	20.00	3.94	0.00	3.94
17.45	5.22	0.00	5.22	20.05	3.92	0.00	3.92
17.50	5.17	0.00	5.17	20.10	3.91	0.00	3.91
17.55	5.12	0.00	5.12	20.15	3.89	0.00	3.89
17.60	5.07	0.00	5.07	20.20	3.88	0.00	3.88
17.65	5.01	0.00	5.01	20.25	3.87	0.00	3.87
17.70	4.96	0.00	4.96	20.30	3.85	0.00	3.85
17.75	4.90	0.00	4.90	20.35	3.84	0.00	3.84
17.80	4.85	0.00	4.85	20.40	3.83	0.00	3.83
17.85	4.80	0.00	4.80	20.45	3.81	0.00	3.81
17.90	4.74	0.00	4.74	20.50	3.80	0.00	3.80
17.95	4.69	0.00	4.69	20.55	3.79	0.00	3.79
18.00	4.63	0.00	4.63	20.60	3.78	0.00	3.78
18.05	4.58	0.00	4.58	20.65	3.77	0.00	3.77
18.10	4.53	0.00	4.53	20.70	3.76	0.00	3.76
18.15	4.48	0.00	4.48	20.75	3.74	0.00	3.74

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.72	0.00	3.72	23.40	3.02	0.00	3.02
20.85	3.71	0.00	3.71	23.45	3.02	0.00	3.02
20.90	3.69	0.00	3.69	23.50	3.00	0.00	3.00
20.95	3.68	0.00	3.68	23.55	2.99	0.00	2.99
21.00	3.67	0.00	3.67	23.60	2.97	0.00	2.97
21.05	3.65	0.00	3.65	23.65	2.95	0.00	2.95
21.10	3.64	0.00	3.64	23.70	2.94	0.00	2.94
21.15	3.63	0.00	3.63	23.75	2.94	0.00	2.94
21.20	3.61	0.00	3.61	23.80	2.92	0.00	2.92
21.25	3.60	0.00	3.60	23.85	2.90	0.00	2.90
21.30	3.59	0.00	3.59	23.90	2.89	0.00	2.89
21.35	3.58	0.00	3.58	23.95	2.89	0.00	2.89
21.40	3.57	0.00	3.57	24.00	3.01	0.00	3.01
21.45	3.55	0.00	3.55	24.05	3.10	0.00	3.10
21.50	3.54	0.00	3.54	24.10	2.62	0.00	2.62
21.55	3.52	0.00	3.52	24.15	1.64	0.00	1.64
21.60	3.51	0.00	3.51	24.20	0.83	0.00	0.83
21.65	3.49	0.00	3.49	24.25	0.41	0.00	0.41
21.70	3.48	0.00	3.48	24.30	0.20	0.00	0.20
21.75	3.46	0.00	3.46	24.35	0.10	0.00	0.10
21.80	3.46	0.00	3.46	24.40	0.05	0.00	0.05
21.85	3.45	0.00	3.45	24.45	0.02	0.00	0.02
21.90	3.44	0.00	3.44	24.50	0.01	0.00	0.01
21.95	3.42	0.00	3.42	24.55	0.00	0.00	0.00
22.00	3.40	0.00	3.40	24.60	0.00	0.00	0.00
22.05	3.39	0.00	3.39	24.65	0.00	0.00	0.00
22.10	3.37	0.00	3.37	24.70	0.00	0.00	0.00
22.15	3.36	0.00	3.36	24.75	0.00	0.00	0.00
22.20	3.35	0.00	3.35	24.80	0.00	0.00	0.00
22.25	3.34	0.00	3.34	24.85	0.00	0.00	0.00
22.30	3.33	0.00	3.33	24.90	0.00	0.00	0.00
22.35	3.31	0.00	3.31	24.95	0.00	0.00	0.00
22.40	3.29	0.00	3.29	25.00	0.00	0.00	0.00
22.45	3.28	0.00	3.28	25.05	0.00	0.00	0.00
22.50	3.26	0.00	3.26	25.10	0.00	0.00	0.00
22.55	3.25	0.00	3.25	25.15	0.00	0.00	0.00
22.60	3.24	0.00	3.24	25.20	0.00	0.00	0.00
22.65	3.23	0.00	3.23	25.25	0.00	0.00	0.00
22.70	3.22	0.00	3.22	25.30	0.00	0.00	0.00
22.75	3.20	0.00	3.20	25.35	0.00	0.00	0.00
22.80	3.18	0.00	3.18	25.40	0.00	0.00	0.00
22.85	3.17	0.00	3.17	25.45	0.00	0.00	0.00
22.90	3.15	0.00	3.15	25.50	0.00	0.00	0.00
22.95	3.14	0.00	3.14	25.55	0.00	0.00	0.00
23.00	3.13	0.00	3.13	25.60	0.00	0.00	0.00
23.05	3.13	0.00	3.13	25.65	0.00	0.00	0.00
23.10	3.11	0.00	3.11	25.70	0.00	0.00	0.00
23.15	3.09	0.00	3.09	25.75	0.00	0.00	0.00
23.20	3.08	0.00	3.08	25.80	0.00	0.00	0.00
23.25	3.06	0.00	3.06	25.85	0.00	0.00	0.00
23.30	3.04	0.00	3.04	25.90	0.00	0.00	0.00
23.35	3.03	0.00	3.03	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

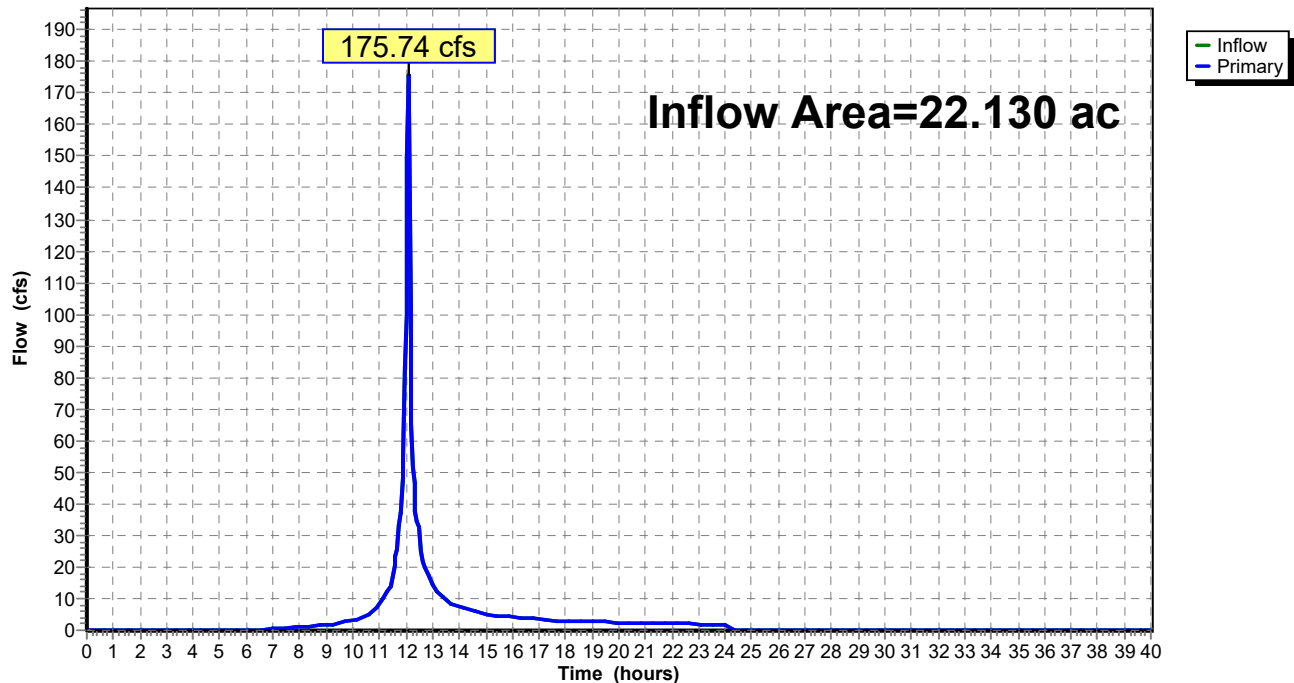
Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 5.56" for Current 100 yr event
Inflow = 175.74 cfs @ 12.09 hrs, Volume= 10.253 af
Primary = 175.74 cfs @ 12.09 hrs, Volume= 10.253 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.79	0.00	0.79
5.25	0.00	0.00	0.00	7.85	0.82	0.00	0.82
5.30	0.00	0.00	0.00	7.90	0.85	0.00	0.85
5.35	0.00	0.00	0.00	7.95	0.88	0.00	0.88
5.40	0.00	0.00	0.00	8.00	0.91	0.00	0.91
5.45	0.00	0.00	0.00	8.05	0.93	0.00	0.93
5.50	0.00	0.00	0.00	8.10	0.96	0.00	0.96
5.55	0.00	0.00	0.00	8.15	0.99	0.00	0.99
5.60	0.00	0.00	0.00	8.20	1.02	0.00	1.02
5.65	0.00	0.00	0.00	8.25	1.05	0.00	1.05
5.70	0.00	0.00	0.00	8.30	1.08	0.00	1.08
5.75	0.00	0.00	0.00	8.35	1.11	0.00	1.11
5.80	0.01	0.00	0.01	8.40	1.14	0.00	1.14
5.85	0.02	0.00	0.02	8.45	1.18	0.00	1.18
5.90	0.03	0.00	0.03	8.50	1.21	0.00	1.21
5.95	0.05	0.00	0.05	8.55	1.24	0.00	1.24
6.00	0.06	0.00	0.06	8.60	1.27	0.00	1.27
6.05	0.07	0.00	0.07	8.65	1.30	0.00	1.30
6.10	0.09	0.00	0.09	8.70	1.34	0.00	1.34
6.15	0.10	0.00	0.10	8.75	1.37	0.00	1.37
6.20	0.12	0.00	0.12	8.80	1.40	0.00	1.40
6.25	0.13	0.00	0.13	8.85	1.43	0.00	1.43
6.30	0.15	0.00	0.15	8.90	1.46	0.00	1.46
6.35	0.16	0.00	0.16	8.95	1.51	0.00	1.51
6.40	0.18	0.00	0.18	9.00	1.54	0.00	1.54
6.45	0.20	0.00	0.20	9.05	1.62	0.00	1.62
6.50	0.21	0.00	0.21	9.10	1.67	0.00	1.67
6.55	0.23	0.00	0.23	9.15	1.75	0.00	1.75
6.60	0.25	0.00	0.25	9.20	1.81	0.00	1.81
6.65	0.27	0.00	0.27	9.25	1.90	0.00	1.90
6.70	0.29	0.00	0.29	9.30	1.96	0.00	1.96
6.75	0.31	0.00	0.31	9.35	2.05	0.00	2.05
6.80	0.32	0.00	0.32	9.40	2.11	0.00	2.11
6.85	0.35	0.00	0.35	9.45	2.20	0.00	2.20
6.90	0.37	0.00	0.37	9.50	2.27	0.00	2.27
6.95	0.39	0.00	0.39	9.55	2.37	0.00	2.37
7.00	0.41	0.00	0.41	9.60	2.44	0.00	2.44
7.05	0.43	0.00	0.43	9.65	2.54	0.00	2.54
7.10	0.45	0.00	0.45	9.70	2.61	0.00	2.61
7.15	0.47	0.00	0.47	9.75	2.72	0.00	2.72
7.20	0.50	0.00	0.50	9.80	2.79	0.00	2.79
7.25	0.52	0.00	0.52	9.85	2.91	0.00	2.91
7.30	0.54	0.00	0.54	9.90	2.99	0.00	2.99
7.35	0.57	0.00	0.57	9.95	3.10	0.00	3.10
7.40	0.59	0.00	0.59	10.00	3.18	0.00	3.18
7.45	0.62	0.00	0.62	10.05	3.30	0.00	3.30
7.50	0.64	0.00	0.64	10.10	3.38	0.00	3.38
7.55	0.66	0.00	0.66	10.15	3.51	0.00	3.51
7.60	0.69	0.00	0.69	10.20	3.60	0.00	3.60
7.65	0.72	0.00	0.72	10.25	3.72	0.00	3.72
7.70	0.74	0.00	0.74	10.30	3.81	0.00	3.81
7.75	0.77	0.00	0.77	10.35	3.94	0.00	3.94

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	4.03	0.00	4.03	13.00	14.81	0.00	14.81
10.45	4.17	0.00	4.17	13.05	13.62	0.00	13.62
10.50	4.28	0.00	4.28	13.10	13.10	0.00	13.10
10.55	4.66	0.00	4.66	13.15	12.44	0.00	12.44
10.60	4.87	0.00	4.87	13.20	12.15	0.00	12.15
10.65	5.28	0.00	5.28	13.25	11.52	0.00	11.52
10.70	5.51	0.00	5.51	13.30	11.23	0.00	11.23
10.75	5.94	0.00	5.94	13.35	10.58	0.00	10.58
10.80	6.20	0.00	6.20	13.40	10.28	0.00	10.28
10.85	6.64	0.00	6.64	13.45	9.64	0.00	9.64
10.90	6.91	0.00	6.91	13.50	9.35	0.00	9.35
10.95	7.38	0.00	7.38	13.55	8.71	0.00	8.71
11.00	7.68	0.00	7.68	13.60	8.43	0.00	8.43
11.05	8.50	0.00	8.50	13.65	8.24	0.00	8.24
11.10	8.96	0.00	8.96	13.70	8.16	0.00	8.16
11.15	9.84	0.00	9.84	13.75	8.00	0.00	8.00
11.20	10.34	0.00	10.34	13.80	7.92	0.00	7.92
11.25	11.27	0.00	11.27	13.85	7.77	0.00	7.77
11.30	11.80	0.00	11.80	13.90	7.69	0.00	7.69
11.35	12.78	0.00	12.78	13.95	7.52	0.00	7.52
11.40	13.34	0.00	13.34	14.00	7.44	0.00	7.44
11.45	14.18	0.00	14.18	14.05	7.27	0.00	7.27
11.50	14.87	0.00	14.87	14.10	7.19	0.00	7.19
11.55	20.61	0.00	20.61	14.15	7.04	0.00	7.04
11.60	23.49	0.00	23.49	14.20	6.96	0.00	6.96
11.65	24.96	0.00	24.96	14.25	6.78	0.00	6.78
11.70	26.05	0.00	26.05	14.30	6.70	0.00	6.70
11.75	33.15	0.00	33.15	14.35	6.53	0.00	6.53
11.80	37.15	0.00	37.15	14.40	6.46	0.00	6.46
11.85	47.99	0.00	47.99	14.45	6.30	0.00	6.30
11.90	54.60	0.00	54.60	14.50	6.23	0.00	6.23
11.95	83.24	0.00	83.24	14.55	6.05	0.00	6.05
12.00	99.61	0.00	99.61	14.60	5.96	0.00	5.96
12.05	149.62	0.00	149.62	14.65	5.79	0.00	5.79
12.10	172.42	0.00	172.42	14.70	5.72	0.00	5.72
12.15	99.16	0.00	99.16	14.75	5.56	0.00	5.56
12.20	65.26	0.00	65.26	14.80	5.48	0.00	5.48
12.25	51.75	0.00	51.75	14.85	5.30	0.00	5.30
12.30	46.45	0.00	46.45	14.90	5.22	0.00	5.22
12.35	37.96	0.00	37.96	14.95	5.05	0.00	5.05
12.40	34.36	0.00	34.36	15.00	4.97	0.00	4.97
12.45	33.12	0.00	33.12	15.05	4.81	0.00	4.81
12.50	32.43	0.00	32.43	15.10	4.74	0.00	4.74
12.55	24.78	0.00	24.78	15.15	4.68	0.00	4.68
12.60	21.39	0.00	21.39	15.20	4.65	0.00	4.65
12.65	20.34	0.00	20.34	15.25	4.61	0.00	4.61
12.70	19.94	0.00	19.94	15.30	4.59	0.00	4.59
12.75	18.78	0.00	18.78	15.35	4.56	0.00	4.56
12.80	18.25	0.00	18.25	15.40	4.54	0.00	4.54
12.85	17.08	0.00	17.08	15.45	4.48	0.00	4.48
12.90	16.54	0.00	16.54	15.50	4.46	0.00	4.46
12.95	15.35	0.00	15.35	15.55	4.43	0.00	4.43

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.41	0.00	4.41	18.20	2.73	0.00	2.73
15.65	4.35	0.00	4.35	18.25	2.72	0.00	2.72
15.70	4.33	0.00	4.33	18.30	2.71	0.00	2.71
15.75	4.28	0.00	4.28	18.35	2.70	0.00	2.70
15.80	4.26	0.00	4.26	18.40	2.70	0.00	2.70
15.85	4.23	0.00	4.23	18.45	2.69	0.00	2.69
15.90	4.21	0.00	4.21	18.50	2.68	0.00	2.68
15.95	4.16	0.00	4.16	18.55	2.67	0.00	2.67
16.00	4.13	0.00	4.13	18.60	2.67	0.00	2.67
16.05	4.10	0.00	4.10	18.65	2.65	0.00	2.65
16.10	4.08	0.00	4.08	18.70	2.65	0.00	2.65
16.15	4.04	0.00	4.04	18.75	2.64	0.00	2.64
16.20	4.02	0.00	4.02	18.80	2.63	0.00	2.63
16.25	3.96	0.00	3.96	18.85	2.62	0.00	2.62
16.30	3.93	0.00	3.93	18.90	2.62	0.00	2.62
16.35	3.90	0.00	3.90	18.95	2.60	0.00	2.60
16.40	3.88	0.00	3.88	19.00	2.60	0.00	2.60
16.45	3.83	0.00	3.83	19.05	2.59	0.00	2.59
16.50	3.80	0.00	3.80	19.10	2.58	0.00	2.58
16.55	3.77	0.00	3.77	19.15	2.57	0.00	2.57
16.60	3.75	0.00	3.75	19.20	2.57	0.00	2.57
16.65	3.71	0.00	3.71	19.25	2.56	0.00	2.56
16.70	3.69	0.00	3.69	19.30	2.55	0.00	2.55
16.75	3.63	0.00	3.63	19.35	2.54	0.00	2.54
16.80	3.60	0.00	3.60	19.40	2.53	0.00	2.53
16.85	3.57	0.00	3.57	19.45	2.52	0.00	2.52
16.90	3.55	0.00	3.55	19.50	2.52	0.00	2.52
16.95	3.51	0.00	3.51	19.55	2.51	0.00	2.51
17.00	3.49	0.00	3.49	19.60	2.50	0.00	2.50
17.05	3.44	0.00	3.44	19.65	2.49	0.00	2.49
17.10	3.42	0.00	3.42	19.70	2.48	0.00	2.48
17.15	3.37	0.00	3.37	19.75	2.48	0.00	2.48
17.20	3.35	0.00	3.35	19.80	2.48	0.00	2.48
17.25	3.29	0.00	3.29	19.85	2.46	0.00	2.46
17.30	3.27	0.00	3.27	19.90	2.45	0.00	2.45
17.35	3.23	0.00	3.23	19.95	2.44	0.00	2.44
17.40	3.22	0.00	3.22	20.00	2.43	0.00	2.43
17.45	3.17	0.00	3.17	20.05	2.42	0.00	2.42
17.50	3.15	0.00	3.15	20.10	2.42	0.00	2.42
17.55	3.10	0.00	3.10	20.15	2.41	0.00	2.41
17.60	3.08	0.00	3.08	20.20	2.40	0.00	2.40
17.65	3.04	0.00	3.04	20.25	2.39	0.00	2.39
17.70	3.02	0.00	3.02	20.30	2.38	0.00	2.38
17.75	2.97	0.00	2.97	20.35	2.37	0.00	2.37
17.80	2.95	0.00	2.95	20.40	2.37	0.00	2.37
17.85	2.90	0.00	2.90	20.45	2.36	0.00	2.36
17.90	2.88	0.00	2.88	20.50	2.35	0.00	2.35
17.95	2.84	0.00	2.84	20.55	2.35	0.00	2.35
18.00	2.81	0.00	2.81	20.60	2.35	0.00	2.35
18.05	2.77	0.00	2.77	20.65	2.33	0.00	2.33
18.10	2.75	0.00	2.75	20.70	2.32	0.00	2.32
18.15	2.74	0.00	2.74	20.75	2.31	0.00	2.31

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.30	0.00	2.30	23.40	1.88	0.00	1.88
20.85	2.29	0.00	2.29	23.45	1.86	0.00	1.86
20.90	2.28	0.00	2.28	23.50	1.85	0.00	1.85
20.95	2.27	0.00	2.27	23.55	1.83	0.00	1.83
21.00	2.27	0.00	2.27	23.60	1.83	0.00	1.83
21.05	2.26	0.00	2.26	23.65	1.83	0.00	1.83
21.10	2.25	0.00	2.25	23.70	1.83	0.00	1.83
21.15	2.24	0.00	2.24	23.75	1.81	0.00	1.81
21.20	2.23	0.00	2.23	23.80	1.80	0.00	1.80
21.25	2.23	0.00	2.23	23.85	1.78	0.00	1.78
21.30	2.23	0.00	2.23	23.90	1.79	0.00	1.79
21.35	2.21	0.00	2.21	23.95	2.08	0.00	2.08
21.40	2.20	0.00	2.20	24.00	2.15	0.00	2.15
21.45	2.19	0.00	2.19	24.05	0.69	0.00	0.69
21.50	2.18	0.00	2.18	24.10	0.04	0.00	0.04
21.55	2.17	0.00	2.17	24.15	0.00	0.00	0.00
21.60	2.17	0.00	2.17	24.20	0.00	0.00	0.00
21.65	2.16	0.00	2.16	24.25	0.00	0.00	0.00
21.70	2.15	0.00	2.15	24.30	0.00	0.00	0.00
21.75	2.15	0.00	2.15	24.35	0.00	0.00	0.00
21.80	2.15	0.00	2.15	24.40	0.00	0.00	0.00
21.85	2.13	0.00	2.13	24.45	0.00	0.00	0.00
21.90	2.12	0.00	2.12	24.50	0.00	0.00	0.00
21.95	2.11	0.00	2.11	24.55	0.00	0.00	0.00
22.00	2.10	0.00	2.10	24.60	0.00	0.00	0.00
22.05	2.09	0.00	2.09	24.65	0.00	0.00	0.00
22.10	2.08	0.00	2.08	24.70	0.00	0.00	0.00
22.15	2.08	0.00	2.08	24.75	0.00	0.00	0.00
22.20	2.08	0.00	2.08	24.80	0.00	0.00	0.00
22.25	2.06	0.00	2.06	24.85	0.00	0.00	0.00
22.30	2.05	0.00	2.05	24.90	0.00	0.00	0.00
22.35	2.04	0.00	2.04	24.95	0.00	0.00	0.00
22.40	2.03	0.00	2.03	25.00	0.00	0.00	0.00
22.45	2.02	0.00	2.02	25.05	0.00	0.00	0.00
22.50	2.02	0.00	2.02	25.10	0.00	0.00	0.00
22.55	2.02	0.00	2.02	25.15	0.00	0.00	0.00
22.60	2.02	0.00	2.02	25.20	0.00	0.00	0.00
22.65	1.99	0.00	1.99	25.25	0.00	0.00	0.00
22.70	1.98	0.00	1.98	25.30	0.00	0.00	0.00
22.75	1.97	0.00	1.97	25.35	0.00	0.00	0.00
22.80	1.97	0.00	1.97	25.40	0.00	0.00	0.00
22.85	1.95	0.00	1.95	25.45	0.00	0.00	0.00
22.90	1.95	0.00	1.95	25.50	0.00	0.00	0.00
22.95	1.95	0.00	1.95	25.55	0.00	0.00	0.00
23.00	1.95	0.00	1.95	25.60	0.00	0.00	0.00
23.05	1.92	0.00	1.92	25.65	0.00	0.00	0.00
23.10	1.91	0.00	1.91	25.70	0.00	0.00	0.00
23.15	1.90	0.00	1.90	25.75	0.00	0.00	0.00
23.20	1.90	0.00	1.90	25.80	0.00	0.00	0.00
23.25	1.89	0.00	1.89	25.85	0.00	0.00	0.00
23.30	1.88	0.00	1.88	25.90	0.00	0.00	0.00
23.35	1.88	0.00	1.88	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

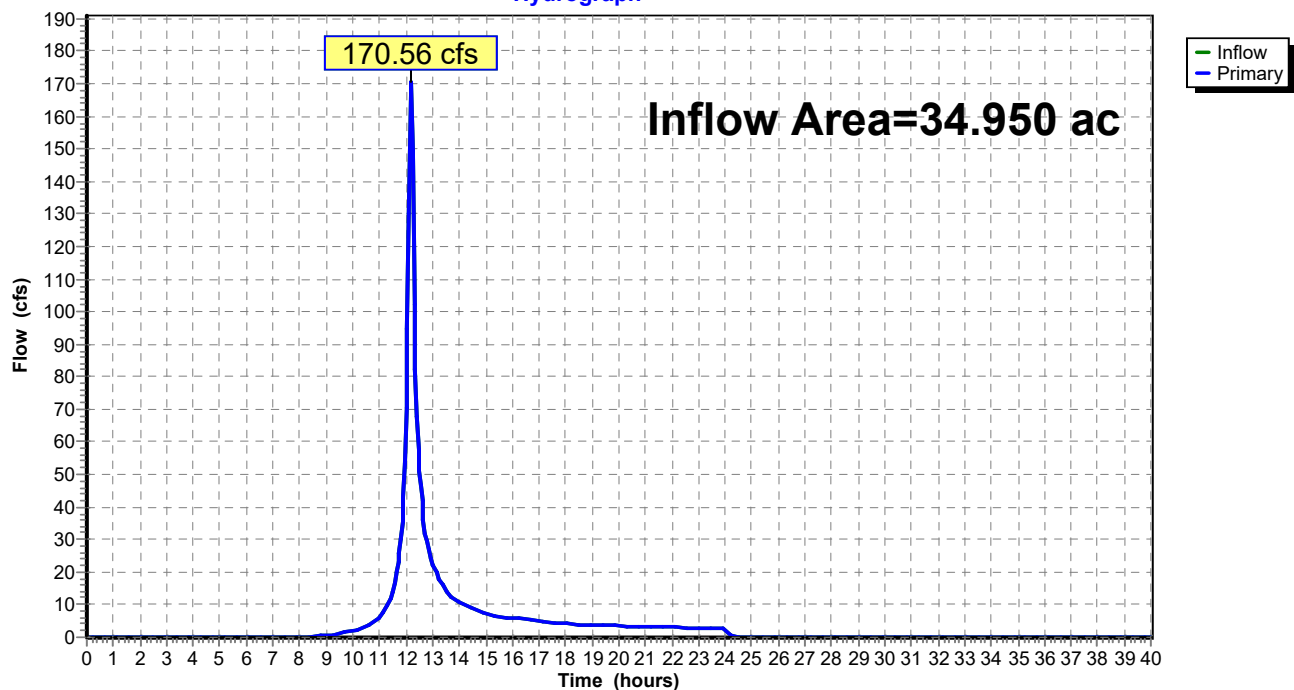
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 4.38" for Current 100 yr event
Inflow = 170.56 cfs @ 12.17 hrs, Volume= 12.749 af
Primary = 170.56 cfs @ 12.17 hrs, Volume= 12.749 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.01	0.00	0.01
5.45	0.00	0.00	0.00	8.05	0.02	0.00	0.02
5.50	0.00	0.00	0.00	8.10	0.04	0.00	0.04
5.55	0.00	0.00	0.00	8.15	0.07	0.00	0.07
5.60	0.00	0.00	0.00	8.20	0.09	0.00	0.09
5.65	0.00	0.00	0.00	8.25	0.12	0.00	0.12
5.70	0.00	0.00	0.00	8.30	0.15	0.00	0.15
5.75	0.00	0.00	0.00	8.35	0.17	0.00	0.17
5.80	0.00	0.00	0.00	8.40	0.20	0.00	0.20
5.85	0.00	0.00	0.00	8.45	0.23	0.00	0.23
5.90	0.00	0.00	0.00	8.50	0.26	0.00	0.26
5.95	0.00	0.00	0.00	8.55	0.29	0.00	0.29
6.00	0.00	0.00	0.00	8.60	0.32	0.00	0.32
6.05	0.00	0.00	0.00	8.65	0.35	0.00	0.35
6.10	0.00	0.00	0.00	8.70	0.38	0.00	0.38
6.15	0.00	0.00	0.00	8.75	0.41	0.00	0.41
6.20	0.00	0.00	0.00	8.80	0.44	0.00	0.44
6.25	0.00	0.00	0.00	8.85	0.47	0.00	0.47
6.30	0.00	0.00	0.00	8.90	0.51	0.00	0.51
6.35	0.00	0.00	0.00	8.95	0.54	0.00	0.54
6.40	0.00	0.00	0.00	9.00	0.57	0.00	0.57
6.45	0.00	0.00	0.00	9.05	0.61	0.00	0.61
6.50	0.00	0.00	0.00	9.10	0.65	0.00	0.65
6.55	0.00	0.00	0.00	9.15	0.69	0.00	0.69
6.60	0.00	0.00	0.00	9.20	0.74	0.00	0.74
6.65	0.00	0.00	0.00	9.25	0.80	0.00	0.80
6.70	0.00	0.00	0.00	9.30	0.85	0.00	0.85
6.75	0.00	0.00	0.00	9.35	0.91	0.00	0.91
6.80	0.00	0.00	0.00	9.40	0.97	0.00	0.97
6.85	0.00	0.00	0.00	9.45	1.03	0.00	1.03
6.90	0.00	0.00	0.00	9.50	1.10	0.00	1.10
6.95	0.00	0.00	0.00	9.55	1.17	0.00	1.17
7.00	0.00	0.00	0.00	9.60	1.24	0.00	1.24
7.05	0.00	0.00	0.00	9.65	1.32	0.00	1.32
7.10	0.00	0.00	0.00	9.70	1.40	0.00	1.40
7.15	0.00	0.00	0.00	9.75	1.49	0.00	1.49
7.20	0.00	0.00	0.00	9.80	1.57	0.00	1.57
7.25	0.00	0.00	0.00	9.85	1.66	0.00	1.66
7.30	0.00	0.00	0.00	9.90	1.76	0.00	1.76
7.35	0.00	0.00	0.00	9.95	1.85	0.00	1.85
7.40	0.00	0.00	0.00	10.00	1.95	0.00	1.95
7.45	0.00	0.00	0.00	10.05	2.05	0.00	2.05
7.50	0.00	0.00	0.00	10.10	2.16	0.00	2.16
7.55	0.00	0.00	0.00	10.15	2.26	0.00	2.26
7.60	0.00	0.00	0.00	10.20	2.37	0.00	2.37
7.65	0.00	0.00	0.00	10.25	2.49	0.00	2.49
7.70	0.00	0.00	0.00	10.30	2.61	0.00	2.61
7.75	0.00	0.00	0.00	10.35	2.72	0.00	2.72

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.84	0.00	2.84	13.00	22.66	0.00	22.66
10.45	2.97	0.00	2.97	13.05	21.52	0.00	21.52
10.50	3.10	0.00	3.10	13.10	20.35	0.00	20.35
10.55	3.24	0.00	3.24	13.15	19.22	0.00	19.22
10.60	3.44	0.00	3.44	13.20	18.27	0.00	18.27
10.65	3.69	0.00	3.69	13.25	17.51	0.00	17.51
10.70	3.97	0.00	3.97	13.30	16.81	0.00	16.81
10.75	4.27	0.00	4.27	13.35	16.15	0.00	16.15
10.80	4.59	0.00	4.59	13.40	15.50	0.00	15.50
10.85	4.93	0.00	4.93	13.45	14.86	0.00	14.86
10.90	5.29	0.00	5.29	13.50	14.22	0.00	14.22
10.95	5.66	0.00	5.66	13.55	13.59	0.00	13.59
11.00	6.06	0.00	6.06	13.60	12.95	0.00	12.95
11.05	6.48	0.00	6.48	13.65	12.34	0.00	12.34
11.10	7.00	0.00	7.00	13.70	11.90	0.00	11.90
11.15	7.61	0.00	7.61	13.75	11.60	0.00	11.60
11.20	8.29	0.00	8.29	13.80	11.37	0.00	11.37
11.25	9.01	0.00	9.01	13.85	11.18	0.00	11.18
11.30	9.78	0.00	9.78	13.90	11.00	0.00	11.00
11.35	10.59	0.00	10.59	13.95	10.84	0.00	10.84
11.40	11.45	0.00	11.45	14.00	10.68	0.00	10.68
11.45	12.33	0.00	12.33	14.05	10.51	0.00	10.51
11.50	13.20	0.00	13.20	14.10	10.34	0.00	10.34
11.55	14.32	0.00	14.32	14.15	10.17	0.00	10.17
11.60	16.83	0.00	16.83	14.20	10.01	0.00	10.01
11.65	20.34	0.00	20.34	14.25	9.86	0.00	9.86
11.70	23.35	0.00	23.35	14.30	9.69	0.00	9.69
11.75	25.95	0.00	25.95	14.35	9.51	0.00	9.51
11.80	29.93	0.00	29.93	14.40	9.34	0.00	9.34
11.85	35.49	0.00	35.49	14.45	9.18	0.00	9.18
11.90	43.09	0.00	43.09	14.50	9.01	0.00	9.01
11.95	53.43	0.00	53.43	14.55	8.85	0.00	8.85
12.00	70.47	0.00	70.47	14.60	8.68	0.00	8.68
12.05	94.65	0.00	94.65	14.65	8.51	0.00	8.51
12.10	130.33	0.00	130.33	14.70	8.33	0.00	8.33
12.15	166.34	0.00	166.34	14.75	8.16	0.00	8.16
12.20	165.57	0.00	165.57	14.80	8.00	0.00	8.00
12.25	133.10	0.00	133.10	14.85	7.83	0.00	7.83
12.30	102.29	0.00	102.29	14.90	7.66	0.00	7.66
12.35	82.08	0.00	82.08	14.95	7.48	0.00	7.48
12.40	67.79	0.00	67.79	15.00	7.31	0.00	7.31
12.45	57.38	0.00	57.38	15.05	7.13	0.00	7.13
12.50	50.87	0.00	50.87	15.10	6.96	0.00	6.96
12.55	46.87	0.00	46.87	15.15	6.81	0.00	6.81
12.60	41.80	0.00	41.80	15.20	6.69	0.00	6.69
12.65	35.91	0.00	35.91	15.25	6.60	0.00	6.60
12.70	31.73	0.00	31.73	15.30	6.54	0.00	6.54
12.75	29.34	0.00	29.34	15.35	6.49	0.00	6.49
12.80	27.65	0.00	27.65	15.40	6.44	0.00	6.44
12.85	26.27	0.00	26.27	15.45	6.40	0.00	6.40
12.90	25.02	0.00	25.02	15.50	6.36	0.00	6.36
12.95	23.84	0.00	23.84	15.55	6.31	0.00	6.31

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.27	0.00	6.27	18.20	3.91	0.00	3.91
15.65	6.23	0.00	6.23	18.25	3.89	0.00	3.89
15.70	6.18	0.00	6.18	18.30	3.87	0.00	3.87
15.75	6.13	0.00	6.13	18.35	3.86	0.00	3.86
15.80	6.08	0.00	6.08	18.40	3.85	0.00	3.85
15.85	6.04	0.00	6.04	18.45	3.83	0.00	3.83
15.90	6.00	0.00	6.00	18.50	3.82	0.00	3.82
15.95	5.96	0.00	5.96	18.55	3.81	0.00	3.81
16.00	5.91	0.00	5.91	18.60	3.80	0.00	3.80
16.05	5.86	0.00	5.86	18.65	3.79	0.00	3.79
16.10	5.82	0.00	5.82	18.70	3.78	0.00	3.78
16.15	5.78	0.00	5.78	18.75	3.77	0.00	3.77
16.20	5.74	0.00	5.74	18.80	3.76	0.00	3.76
16.25	5.70	0.00	5.70	18.85	3.75	0.00	3.75
16.30	5.65	0.00	5.65	18.90	3.73	0.00	3.73
16.35	5.59	0.00	5.59	18.95	3.72	0.00	3.72
16.40	5.55	0.00	5.55	19.00	3.71	0.00	3.71
16.45	5.51	0.00	5.51	19.05	3.70	0.00	3.70
16.50	5.46	0.00	5.46	19.10	3.69	0.00	3.69
16.55	5.41	0.00	5.41	19.15	3.68	0.00	3.68
16.60	5.37	0.00	5.37	19.20	3.67	0.00	3.67
16.65	5.33	0.00	5.33	19.25	3.65	0.00	3.65
16.70	5.28	0.00	5.28	19.30	3.64	0.00	3.64
16.75	5.24	0.00	5.24	19.35	3.63	0.00	3.63
16.80	5.19	0.00	5.19	19.40	3.62	0.00	3.62
16.85	5.14	0.00	5.14	19.45	3.61	0.00	3.61
16.90	5.09	0.00	5.09	19.50	3.60	0.00	3.60
16.95	5.05	0.00	5.05	19.55	3.59	0.00	3.59
17.00	5.01	0.00	5.01	19.60	3.58	0.00	3.58
17.05	4.96	0.00	4.96	19.65	3.56	0.00	3.56
17.10	4.92	0.00	4.92	19.70	3.55	0.00	3.55
17.15	4.87	0.00	4.87	19.75	3.54	0.00	3.54
17.20	4.83	0.00	4.83	19.80	3.54	0.00	3.54
17.25	4.78	0.00	4.78	19.85	3.53	0.00	3.53
17.30	4.73	0.00	4.73	19.90	3.52	0.00	3.52
17.35	4.68	0.00	4.68	19.95	3.50	0.00	3.50
17.40	4.63	0.00	4.63	20.00	3.49	0.00	3.49
17.45	4.59	0.00	4.59	20.05	3.48	0.00	3.48
17.50	4.55	0.00	4.55	20.10	3.46	0.00	3.46
17.55	4.50	0.00	4.50	20.15	3.45	0.00	3.45
17.60	4.45	0.00	4.45	20.20	3.44	0.00	3.44
17.65	4.41	0.00	4.41	20.25	3.43	0.00	3.43
17.70	4.36	0.00	4.36	20.30	3.42	0.00	3.42
17.75	4.31	0.00	4.31	20.35	3.41	0.00	3.41
17.80	4.27	0.00	4.27	20.40	3.39	0.00	3.39
17.85	4.22	0.00	4.22	20.45	3.38	0.00	3.38
17.90	4.17	0.00	4.17	20.50	3.37	0.00	3.37
17.95	4.13	0.00	4.13	20.55	3.36	0.00	3.36
18.00	4.08	0.00	4.08	20.60	3.35	0.00	3.35
18.05	4.03	0.00	4.03	20.65	3.35	0.00	3.35
18.10	3.98	0.00	3.98	20.70	3.34	0.00	3.34
18.15	3.94	0.00	3.94	20.75	3.32	0.00	3.32

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.30	0.00	3.30	23.40	2.70	0.00	2.70
20.85	3.29	0.00	3.29	23.45	2.69	0.00	2.69
20.90	3.28	0.00	3.28	23.50	2.68	0.00	2.68
20.95	3.27	0.00	3.27	23.55	2.66	0.00	2.66
21.00	3.25	0.00	3.25	23.60	2.65	0.00	2.65
21.05	3.24	0.00	3.24	23.65	2.63	0.00	2.63
21.10	3.23	0.00	3.23	23.70	2.62	0.00	2.62
21.15	3.22	0.00	3.22	23.75	2.62	0.00	2.62
21.20	3.21	0.00	3.21	23.80	2.61	0.00	2.61
21.25	3.20	0.00	3.20	23.85	2.59	0.00	2.59
21.30	3.19	0.00	3.19	23.90	2.57	0.00	2.57
21.35	3.19	0.00	3.19	23.95	2.58	0.00	2.58
21.40	3.18	0.00	3.18	24.00	2.71	0.00	2.71
21.45	3.16	0.00	3.16	24.05	2.79	0.00	2.79
21.50	3.14	0.00	3.14	24.10	2.26	0.00	2.26
21.55	3.13	0.00	3.13	24.15	1.30	0.00	1.30
21.60	3.12	0.00	3.12	24.20	0.62	0.00	0.62
21.65	3.10	0.00	3.10	24.25	0.29	0.00	0.29
21.70	3.09	0.00	3.09	24.30	0.14	0.00	0.14
21.75	3.08	0.00	3.08	24.35	0.06	0.00	0.06
21.80	3.07	0.00	3.07	24.40	0.03	0.00	0.03
21.85	3.07	0.00	3.07	24.45	0.01	0.00	0.01
21.90	3.06	0.00	3.06	24.50	0.00	0.00	0.00
21.95	3.04	0.00	3.04	24.55	0.00	0.00	0.00
22.00	3.03	0.00	3.03	24.60	0.00	0.00	0.00
22.05	3.01	0.00	3.01	24.65	0.00	0.00	0.00
22.10	3.00	0.00	3.00	24.70	0.00	0.00	0.00
22.15	2.99	0.00	2.99	24.75	0.00	0.00	0.00
22.20	2.98	0.00	2.98	24.80	0.00	0.00	0.00
22.25	2.98	0.00	2.98	24.85	0.00	0.00	0.00
22.30	2.96	0.00	2.96	24.90	0.00	0.00	0.00
22.35	2.95	0.00	2.95	24.95	0.00	0.00	0.00
22.40	2.93	0.00	2.93	25.00	0.00	0.00	0.00
22.45	2.92	0.00	2.92	25.05	0.00	0.00	0.00
22.50	2.90	0.00	2.90	25.10	0.00	0.00	0.00
22.55	2.89	0.00	2.89	25.15	0.00	0.00	0.00
22.60	2.89	0.00	2.89	25.20	0.00	0.00	0.00
22.65	2.88	0.00	2.88	25.25	0.00	0.00	0.00
22.70	2.87	0.00	2.87	25.30	0.00	0.00	0.00
22.75	2.85	0.00	2.85	25.35	0.00	0.00	0.00
22.80	2.84	0.00	2.84	25.40	0.00	0.00	0.00
22.85	2.82	0.00	2.82	25.45	0.00	0.00	0.00
22.90	2.81	0.00	2.81	25.50	0.00	0.00	0.00
22.95	2.80	0.00	2.80	25.55	0.00	0.00	0.00
23.00	2.79	0.00	2.79	25.60	0.00	0.00	0.00
23.05	2.79	0.00	2.79	25.65	0.00	0.00	0.00
23.10	2.77	0.00	2.77	25.70	0.00	0.00	0.00
23.15	2.76	0.00	2.76	25.75	0.00	0.00	0.00
23.20	2.74	0.00	2.74	25.80	0.00	0.00	0.00
23.25	2.73	0.00	2.73	25.85	0.00	0.00	0.00
23.30	2.71	0.00	2.71	25.90	0.00	0.00	0.00
23.35	2.70	0.00	2.70	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

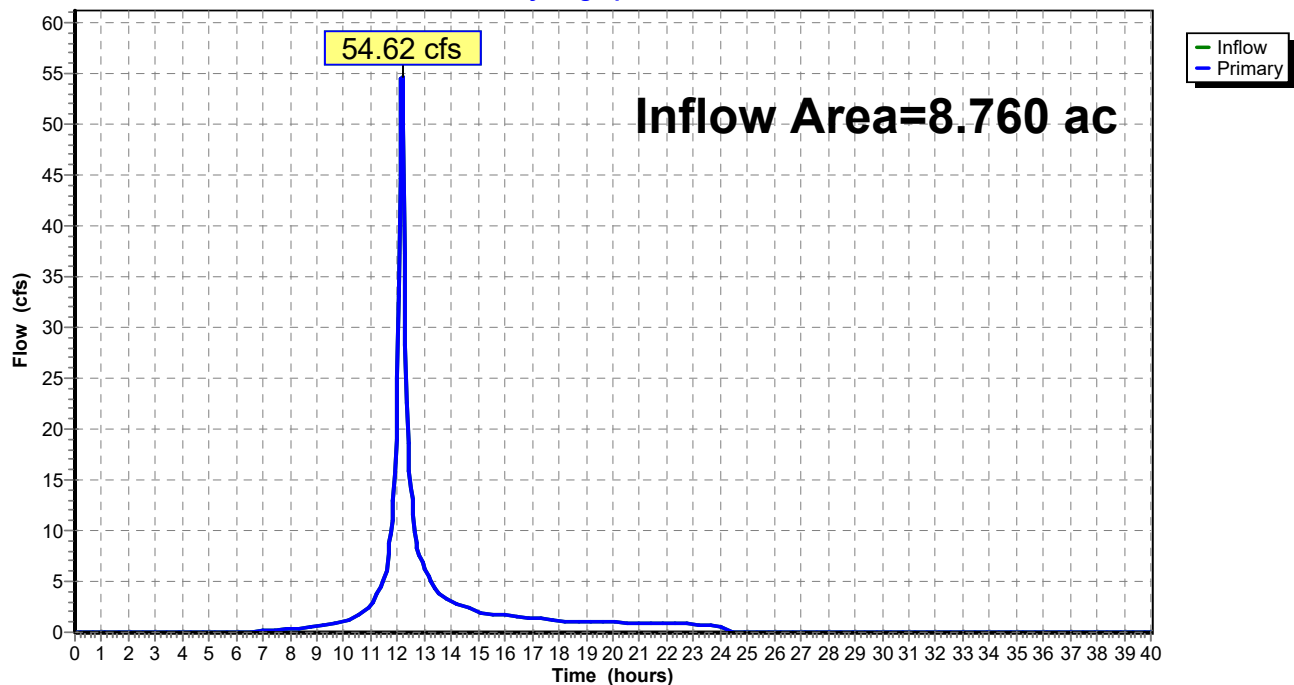
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 5.44" for Current 100 yr event
Inflow = 54.62 cfs @ 12.16 hrs, Volume= 3.971 af
Primary = 54.62 cfs @ 12.16 hrs, Volume= 3.971 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.25	0.00	0.25
5.25	0.00	0.00	0.00	7.85	0.26	0.00	0.26
5.30	0.00	0.00	0.00	7.90	0.27	0.00	0.27
5.35	0.00	0.00	0.00	7.95	0.28	0.00	0.28
5.40	0.00	0.00	0.00	8.00	0.29	0.00	0.29
5.45	0.00	0.00	0.00	8.05	0.30	0.00	0.30
5.50	0.00	0.00	0.00	8.10	0.32	0.00	0.32
5.55	0.00	0.00	0.00	8.15	0.33	0.00	0.33
5.60	0.00	0.00	0.00	8.20	0.34	0.00	0.34
5.65	0.00	0.00	0.00	8.25	0.35	0.00	0.35
5.70	0.00	0.00	0.00	8.30	0.36	0.00	0.36
5.75	0.00	0.00	0.00	8.35	0.37	0.00	0.37
5.80	0.00	0.00	0.00	8.40	0.38	0.00	0.38
5.85	0.00	0.00	0.00	8.45	0.39	0.00	0.39
5.90	0.00	0.00	0.00	8.50	0.41	0.00	0.41
5.95	0.00	0.00	0.00	8.55	0.42	0.00	0.42
6.00	0.00	0.00	0.00	8.60	0.43	0.00	0.43
6.05	0.00	0.00	0.00	8.65	0.44	0.00	0.44
6.10	0.00	0.00	0.00	8.70	0.45	0.00	0.45
6.15	0.00	0.00	0.00	8.75	0.47	0.00	0.47
6.20	0.01	0.00	0.01	8.80	0.48	0.00	0.48
6.25	0.01	0.00	0.01	8.85	0.49	0.00	0.49
6.30	0.02	0.00	0.02	8.90	0.50	0.00	0.50
6.35	0.02	0.00	0.02	8.95	0.52	0.00	0.52
6.40	0.03	0.00	0.03	9.00	0.53	0.00	0.53
6.45	0.04	0.00	0.04	9.05	0.55	0.00	0.55
6.50	0.04	0.00	0.04	9.10	0.56	0.00	0.56
6.55	0.05	0.00	0.05	9.15	0.59	0.00	0.59
6.60	0.06	0.00	0.06	9.20	0.61	0.00	0.61
6.65	0.06	0.00	0.06	9.25	0.64	0.00	0.64
6.70	0.07	0.00	0.07	9.30	0.66	0.00	0.66
6.75	0.08	0.00	0.08	9.35	0.69	0.00	0.69
6.80	0.08	0.00	0.08	9.40	0.72	0.00	0.72
6.85	0.09	0.00	0.09	9.45	0.75	0.00	0.75
6.90	0.10	0.00	0.10	9.50	0.78	0.00	0.78
6.95	0.10	0.00	0.10	9.55	0.81	0.00	0.81
7.00	0.11	0.00	0.11	9.60	0.84	0.00	0.84
7.05	0.12	0.00	0.12	9.65	0.87	0.00	0.87
7.10	0.13	0.00	0.13	9.70	0.90	0.00	0.90
7.15	0.14	0.00	0.14	9.75	0.94	0.00	0.94
7.20	0.14	0.00	0.14	9.80	0.97	0.00	0.97
7.25	0.15	0.00	0.15	9.85	1.00	0.00	1.00
7.30	0.16	0.00	0.16	9.90	1.04	0.00	1.04
7.35	0.17	0.00	0.17	9.95	1.08	0.00	1.08
7.40	0.18	0.00	0.18	10.00	1.11	0.00	1.11
7.45	0.19	0.00	0.19	10.05	1.15	0.00	1.15
7.50	0.20	0.00	0.20	10.10	1.19	0.00	1.19
7.55	0.20	0.00	0.20	10.15	1.22	0.00	1.22
7.60	0.21	0.00	0.21	10.20	1.26	0.00	1.26
7.65	0.22	0.00	0.22	10.25	1.31	0.00	1.31
7.70	0.23	0.00	0.23	10.30	1.35	0.00	1.35
7.75	0.24	0.00	0.24	10.35	1.39	0.00	1.39

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.43	0.00	1.43	13.00	6.38	0.00	6.38
10.45	1.47	0.00	1.47	13.05	6.04	0.00	6.04
10.50	1.51	0.00	1.51	13.10	5.70	0.00	5.70
10.55	1.57	0.00	1.57	13.15	5.38	0.00	5.38
10.60	1.65	0.00	1.65	13.20	5.12	0.00	5.12
10.65	1.75	0.00	1.75	13.25	4.91	0.00	4.91
10.70	1.86	0.00	1.86	13.30	4.72	0.00	4.72
10.75	1.98	0.00	1.98	13.35	4.53	0.00	4.53
10.80	2.10	0.00	2.10	13.40	4.34	0.00	4.34
10.85	2.23	0.00	2.23	13.45	4.16	0.00	4.16
10.90	2.36	0.00	2.36	13.50	3.98	0.00	3.98
10.95	2.50	0.00	2.50	13.55	3.79	0.00	3.79
11.00	2.64	0.00	2.64	13.60	3.61	0.00	3.61
11.05	2.79	0.00	2.79	13.65	3.44	0.00	3.44
11.10	2.99	0.00	2.99	13.70	3.33	0.00	3.33
11.15	3.21	0.00	3.21	13.75	3.25	0.00	3.25
11.20	3.46	0.00	3.46	13.80	3.19	0.00	3.19
11.25	3.72	0.00	3.72	13.85	3.14	0.00	3.14
11.30	3.99	0.00	3.99	13.90	3.09	0.00	3.09
11.35	4.27	0.00	4.27	13.95	3.05	0.00	3.05
11.40	4.56	0.00	4.56	14.00	3.00	0.00	3.00
11.45	4.84	0.00	4.84	14.05	2.95	0.00	2.95
11.50	5.12	0.00	5.12	14.10	2.90	0.00	2.90
11.55	5.53	0.00	5.53	14.15	2.85	0.00	2.85
11.60	6.56	0.00	6.56	14.20	2.81	0.00	2.81
11.65	7.83	0.00	7.83	14.25	2.76	0.00	2.76
11.70	8.75	0.00	8.75	14.30	2.71	0.00	2.71
11.75	9.56	0.00	9.56	14.35	2.66	0.00	2.66
11.80	10.99	0.00	10.99	14.40	2.61	0.00	2.61
11.85	12.91	0.00	12.91	14.45	2.57	0.00	2.57
11.90	15.53	0.00	15.53	14.50	2.52	0.00	2.52
11.95	19.01	0.00	19.01	14.55	2.47	0.00	2.47
12.00	25.00	0.00	25.00	14.60	2.42	0.00	2.42
12.05	33.06	0.00	33.06	14.65	2.37	0.00	2.37
12.10	44.62	0.00	44.62	14.70	2.32	0.00	2.32
12.15	54.40	0.00	54.40	14.75	2.28	0.00	2.28
12.20	49.63	0.00	49.63	14.80	2.23	0.00	2.23
12.25	37.28	0.00	37.28	14.85	2.18	0.00	2.18
12.30	28.20	0.00	28.20	14.90	2.13	0.00	2.13
12.35	22.57	0.00	22.57	14.95	2.08	0.00	2.08
12.40	18.61	0.00	18.61	15.00	2.03	0.00	2.03
12.45	15.80	0.00	15.80	15.05	1.98	0.00	1.98
12.50	14.20	0.00	14.20	15.10	1.94	0.00	1.94
12.55	13.15	0.00	13.15	15.15	1.89	0.00	1.89
12.60	11.58	0.00	11.58	15.20	1.86	0.00	1.86
12.65	9.88	0.00	9.88	15.25	1.84	0.00	1.84
12.70	8.83	0.00	8.83	15.30	1.82	0.00	1.82
12.75	8.23	0.00	8.23	15.35	1.81	0.00	1.81
12.80	7.78	0.00	7.78	15.40	1.80	0.00	1.80
12.85	7.41	0.00	7.41	15.45	1.79	0.00	1.79
12.90	7.06	0.00	7.06	15.50	1.77	0.00	1.77
12.95	6.72	0.00	6.72	15.55	1.76	0.00	1.76

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.75	0.00	1.75	18.20	1.08	0.00	1.08
15.65	1.74	0.00	1.74	18.25	1.08	0.00	1.08
15.70	1.72	0.00	1.72	18.30	1.07	0.00	1.07
15.75	1.71	0.00	1.71	18.35	1.07	0.00	1.07
15.80	1.69	0.00	1.69	18.40	1.06	0.00	1.06
15.85	1.68	0.00	1.68	18.45	1.06	0.00	1.06
15.90	1.67	0.00	1.67	18.50	1.06	0.00	1.06
15.95	1.66	0.00	1.66	18.55	1.05	0.00	1.05
16.00	1.65	0.00	1.65	18.60	1.05	0.00	1.05
16.05	1.63	0.00	1.63	18.65	1.05	0.00	1.05
16.10	1.62	0.00	1.62	18.70	1.05	0.00	1.05
16.15	1.61	0.00	1.61	18.75	1.04	0.00	1.04
16.20	1.60	0.00	1.60	18.80	1.04	0.00	1.04
16.25	1.58	0.00	1.58	18.85	1.04	0.00	1.04
16.30	1.57	0.00	1.57	18.90	1.03	0.00	1.03
16.35	1.55	0.00	1.55	18.95	1.03	0.00	1.03
16.40	1.54	0.00	1.54	19.00	1.03	0.00	1.03
16.45	1.53	0.00	1.53	19.05	1.02	0.00	1.02
16.50	1.52	0.00	1.52	19.10	1.02	0.00	1.02
16.55	1.50	0.00	1.50	19.15	1.02	0.00	1.02
16.60	1.49	0.00	1.49	19.20	1.01	0.00	1.01
16.65	1.48	0.00	1.48	19.25	1.01	0.00	1.01
16.70	1.47	0.00	1.47	19.30	1.01	0.00	1.01
16.75	1.45	0.00	1.45	19.35	1.00	0.00	1.00
16.80	1.44	0.00	1.44	19.40	1.00	0.00	1.00
16.85	1.43	0.00	1.43	19.45	1.00	0.00	1.00
16.90	1.41	0.00	1.41	19.50	0.99	0.00	0.99
16.95	1.40	0.00	1.40	19.55	0.99	0.00	0.99
17.00	1.39	0.00	1.39	19.60	0.99	0.00	0.99
17.05	1.38	0.00	1.38	19.65	0.98	0.00	0.98
17.10	1.36	0.00	1.36	19.70	0.98	0.00	0.98
17.15	1.35	0.00	1.35	19.75	0.98	0.00	0.98
17.20	1.34	0.00	1.34	19.80	0.98	0.00	0.98
17.25	1.32	0.00	1.32	19.85	0.97	0.00	0.97
17.30	1.31	0.00	1.31	19.90	0.97	0.00	0.97
17.35	1.29	0.00	1.29	19.95	0.97	0.00	0.97
17.40	1.28	0.00	1.28	20.00	0.96	0.00	0.96
17.45	1.27	0.00	1.27	20.05	0.96	0.00	0.96
17.50	1.26	0.00	1.26	20.10	0.95	0.00	0.95
17.55	1.25	0.00	1.25	20.15	0.95	0.00	0.95
17.60	1.23	0.00	1.23	20.20	0.95	0.00	0.95
17.65	1.22	0.00	1.22	20.25	0.95	0.00	0.95
17.70	1.21	0.00	1.21	20.30	0.94	0.00	0.94
17.75	1.19	0.00	1.19	20.35	0.94	0.00	0.94
17.80	1.18	0.00	1.18	20.40	0.94	0.00	0.94
17.85	1.17	0.00	1.17	20.45	0.93	0.00	0.93
17.90	1.15	0.00	1.15	20.50	0.93	0.00	0.93
17.95	1.14	0.00	1.14	20.55	0.93	0.00	0.93
18.00	1.13	0.00	1.13	20.60	0.92	0.00	0.92
18.05	1.11	0.00	1.11	20.65	0.92	0.00	0.92
18.10	1.10	0.00	1.10	20.70	0.92	0.00	0.92
18.15	1.09	0.00	1.09	20.75	0.91	0.00	0.91

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.91	0.00	0.91	23.40	0.74	0.00	0.74
20.85	0.91	0.00	0.91	23.45	0.74	0.00	0.74
20.90	0.90	0.00	0.90	23.50	0.73	0.00	0.73
20.95	0.90	0.00	0.90	23.55	0.73	0.00	0.73
21.00	0.90	0.00	0.90	23.60	0.73	0.00	0.73
21.05	0.89	0.00	0.89	23.65	0.72	0.00	0.72
21.10	0.89	0.00	0.89	23.70	0.72	0.00	0.72
21.15	0.89	0.00	0.89	23.75	0.72	0.00	0.72
21.20	0.88	0.00	0.88	23.80	0.71	0.00	0.71
21.25	0.88	0.00	0.88	23.85	0.71	0.00	0.71
21.30	0.88	0.00	0.88	23.90	0.71	0.00	0.71
21.35	0.88	0.00	0.88	23.95	0.71	0.00	0.71
21.40	0.87	0.00	0.87	24.00	0.75	0.00	0.75
21.45	0.87	0.00	0.87	24.05	0.77	0.00	0.77
21.50	0.86	0.00	0.86	24.10	0.57	0.00	0.57
21.55	0.86	0.00	0.86	24.15	0.28	0.00	0.28
21.60	0.86	0.00	0.86	24.20	0.12	0.00	0.12
21.65	0.85	0.00	0.85	24.25	0.05	0.00	0.05
21.70	0.85	0.00	0.85	24.30	0.02	0.00	0.02
21.75	0.85	0.00	0.85	24.35	0.01	0.00	0.01
21.80	0.85	0.00	0.85	24.40	0.00	0.00	0.00
21.85	0.84	0.00	0.84	24.45	0.00	0.00	0.00
21.90	0.84	0.00	0.84	24.50	0.00	0.00	0.00
21.95	0.84	0.00	0.84	24.55	0.00	0.00	0.00
22.00	0.83	0.00	0.83	24.60	0.00	0.00	0.00
22.05	0.83	0.00	0.83	24.65	0.00	0.00	0.00
22.10	0.82	0.00	0.82	24.70	0.00	0.00	0.00
22.15	0.82	0.00	0.82	24.75	0.00	0.00	0.00
22.20	0.82	0.00	0.82	24.80	0.00	0.00	0.00
22.25	0.82	0.00	0.82	24.85	0.00	0.00	0.00
22.30	0.81	0.00	0.81	24.90	0.00	0.00	0.00
22.35	0.81	0.00	0.81	24.95	0.00	0.00	0.00
22.40	0.80	0.00	0.80	25.00	0.00	0.00	0.00
22.45	0.80	0.00	0.80	25.05	0.00	0.00	0.00
22.50	0.80	0.00	0.80	25.10	0.00	0.00	0.00
22.55	0.79	0.00	0.79	25.15	0.00	0.00	0.00
22.60	0.79	0.00	0.79	25.20	0.00	0.00	0.00
22.65	0.79	0.00	0.79	25.25	0.00	0.00	0.00
22.70	0.79	0.00	0.79	25.30	0.00	0.00	0.00
22.75	0.78	0.00	0.78	25.35	0.00	0.00	0.00
22.80	0.78	0.00	0.78	25.40	0.00	0.00	0.00
22.85	0.77	0.00	0.77	25.45	0.00	0.00	0.00
22.90	0.77	0.00	0.77	25.50	0.00	0.00	0.00
22.95	0.77	0.00	0.77	25.55	0.00	0.00	0.00
23.00	0.77	0.00	0.77	25.60	0.00	0.00	0.00
23.05	0.77	0.00	0.77	25.65	0.00	0.00	0.00
23.10	0.76	0.00	0.76	25.70	0.00	0.00	0.00
23.15	0.76	0.00	0.76	25.75	0.00	0.00	0.00
23.20	0.75	0.00	0.75	25.80	0.00	0.00	0.00
23.25	0.75	0.00	0.75	25.85	0.00	0.00	0.00
23.30	0.74	0.00	0.74	25.90	0.00	0.00	0.00
23.35	0.74	0.00	0.74	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

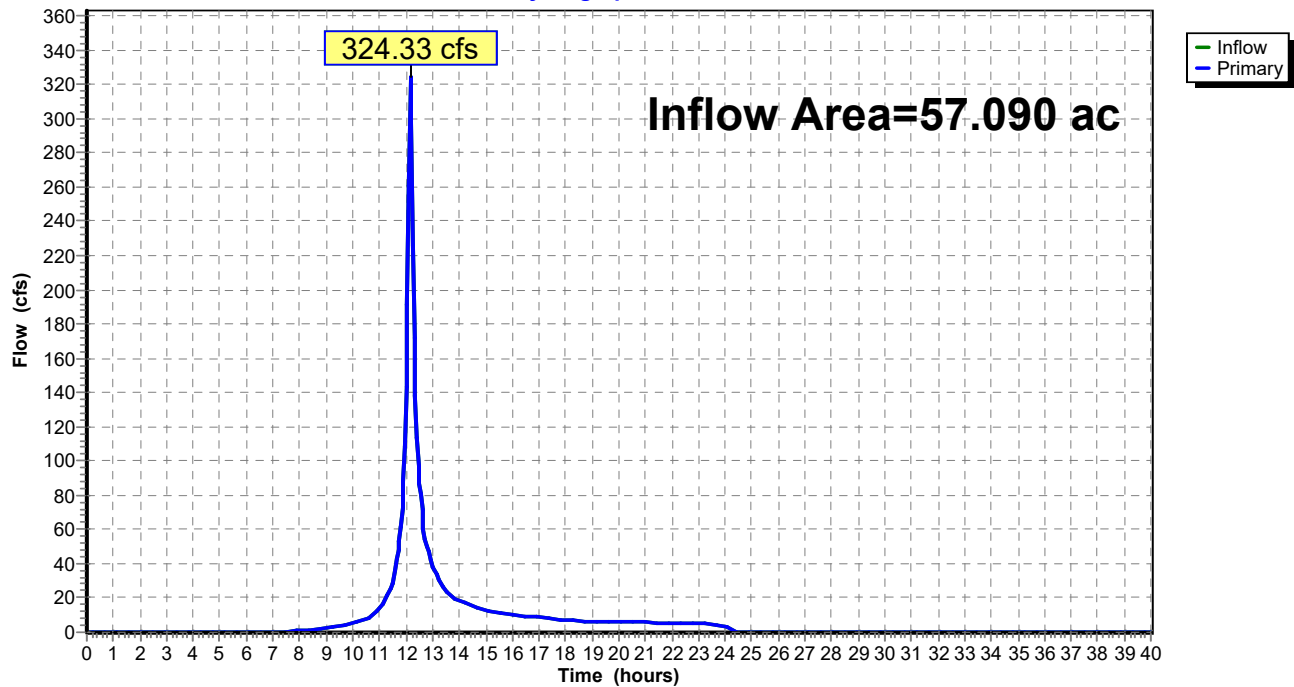
Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 4.94" for Current 100 yr event
 Inflow = 324.33 cfs @ 12.16 hrs, Volume= 23.524 af
 Primary = 324.33 cfs @ 12.16 hrs, Volume= 23.524 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.07	0.00	0.07
0.45	0.00	0.00	0.00	3.05	0.07	0.00	0.07
0.50	0.00	0.00	0.00	3.10	0.07	0.00	0.07
0.55	0.00	0.00	0.00	3.15	0.07	0.00	0.07
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.01	0.00	0.01	3.30	0.07	0.00	0.07
0.75	0.01	0.00	0.01	3.35	0.07	0.00	0.07
0.80	0.01	0.00	0.01	3.40	0.07	0.00	0.07
0.85	0.01	0.00	0.01	3.45	0.07	0.00	0.07
0.90	0.02	0.00	0.02	3.50	0.07	0.00	0.07
0.95	0.02	0.00	0.02	3.55	0.07	0.00	0.07
1.00	0.02	0.00	0.02	3.60	0.07	0.00	0.07
1.05	0.02	0.00	0.02	3.65	0.07	0.00	0.07
1.10	0.02	0.00	0.02	3.70	0.08	0.00	0.08
1.15	0.03	0.00	0.03	3.75	0.08	0.00	0.08
1.20	0.03	0.00	0.03	3.80	0.08	0.00	0.08
1.25	0.03	0.00	0.03	3.85	0.08	0.00	0.08
1.30	0.03	0.00	0.03	3.90	0.08	0.00	0.08
1.35	0.03	0.00	0.03	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.04	0.00	0.04	4.05	0.08	0.00	0.08
1.50	0.04	0.00	0.04	4.10	0.08	0.00	0.08
1.55	0.04	0.00	0.04	4.15	0.08	0.00	0.08
1.60	0.04	0.00	0.04	4.20	0.08	0.00	0.08
1.65	0.04	0.00	0.04	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.05	0.00	0.05	4.40	0.08	0.00	0.08
1.85	0.05	0.00	0.05	4.45	0.08	0.00	0.08
1.90	0.05	0.00	0.05	4.50	0.08	0.00	0.08
1.95	0.05	0.00	0.05	4.55	0.08	0.00	0.08
2.00	0.05	0.00	0.05	4.60	0.08	0.00	0.08
2.05	0.05	0.00	0.05	4.65	0.09	0.00	0.09
2.10	0.05	0.00	0.05	4.70	0.09	0.00	0.09
2.15	0.05	0.00	0.05	4.75	0.09	0.00	0.09
2.20	0.05	0.00	0.05	4.80	0.09	0.00	0.09
2.25	0.05	0.00	0.05	4.85	0.09	0.00	0.09
2.30	0.06	0.00	0.06	4.90	0.09	0.00	0.09
2.35	0.06	0.00	0.06	4.95	0.09	0.00	0.09
2.40	0.06	0.00	0.06	5.00	0.09	0.00	0.09
2.45	0.06	0.00	0.06	5.05	0.09	0.00	0.09
2.50	0.06	0.00	0.06	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.68	0.00	0.68
5.25	0.09	0.00	0.09	7.85	0.73	0.00	0.73
5.30	0.09	0.00	0.09	7.90	0.79	0.00	0.79
5.35	0.09	0.00	0.09	7.95	0.84	0.00	0.84
5.40	0.09	0.00	0.09	8.00	0.90	0.00	0.90
5.45	0.09	0.00	0.09	8.05	0.96	0.00	0.96
5.50	0.09	0.00	0.09	8.10	1.01	0.00	1.01
5.55	0.09	0.00	0.09	8.15	1.07	0.00	1.07
5.60	0.09	0.00	0.09	8.20	1.13	0.00	1.13
5.65	0.09	0.00	0.09	8.25	1.19	0.00	1.19
5.70	0.09	0.00	0.09	8.30	1.26	0.00	1.26
5.75	0.09	0.00	0.09	8.35	1.32	0.00	1.32
5.80	0.10	0.00	0.10	8.40	1.38	0.00	1.38
5.85	0.10	0.00	0.10	8.45	1.44	0.00	1.44
5.90	0.10	0.00	0.10	8.50	1.51	0.00	1.51
5.95	0.10	0.00	0.10	8.55	1.58	0.00	1.58
6.00	0.10	0.00	0.10	8.60	1.64	0.00	1.64
6.05	0.10	0.00	0.10	8.65	1.71	0.00	1.71
6.10	0.10	0.00	0.10	8.70	1.78	0.00	1.78
6.15	0.10	0.00	0.10	8.75	1.85	0.00	1.85
6.20	0.10	0.00	0.10	8.80	1.92	0.00	1.92
6.25	0.10	0.00	0.10	8.85	1.99	0.00	1.99
6.30	0.10	0.00	0.10	8.90	2.06	0.00	2.06
6.35	0.10	0.00	0.10	8.95	2.13	0.00	2.13
6.40	0.11	0.00	0.11	9.00	2.20	0.00	2.20
6.45	0.11	0.00	0.11	9.05	2.29	0.00	2.29
6.50	0.11	0.00	0.11	9.10	2.38	0.00	2.38
6.55	0.11	0.00	0.11	9.15	2.50	0.00	2.50
6.60	0.11	0.00	0.11	9.20	2.62	0.00	2.62
6.65	0.11	0.00	0.11	9.25	2.75	0.00	2.75
6.70	0.11	0.00	0.11	9.30	2.89	0.00	2.89
6.75	0.12	0.00	0.12	9.35	3.03	0.00	3.03
6.80	0.12	0.00	0.12	9.40	3.18	0.00	3.18
6.85	0.12	0.00	0.12	9.45	3.33	0.00	3.33
6.90	0.12	0.00	0.12	9.50	3.48	0.00	3.48
6.95	0.12	0.00	0.12	9.55	3.64	0.00	3.64
7.00	0.12	0.00	0.12	9.60	3.81	0.00	3.81
7.05	0.13	0.00	0.13	9.65	3.98	0.00	3.98
7.10	0.13	0.00	0.13	9.70	4.15	0.00	4.15
7.15	0.15	0.00	0.15	9.75	4.33	0.00	4.33
7.20	0.17	0.00	0.17	9.80	4.51	0.00	4.51
7.25	0.19	0.00	0.19	9.85	4.70	0.00	4.70
7.30	0.21	0.00	0.21	9.90	4.89	0.00	4.89
7.35	0.25	0.00	0.25	9.95	5.09	0.00	5.09
7.40	0.29	0.00	0.29	10.00	5.29	0.00	5.29
7.45	0.33	0.00	0.33	10.05	5.49	0.00	5.49
7.50	0.38	0.00	0.38	10.10	5.71	0.00	5.71
7.55	0.43	0.00	0.43	10.15	5.92	0.00	5.92
7.60	0.48	0.00	0.48	10.20	6.14	0.00	6.14
7.65	0.52	0.00	0.52	10.25	6.37	0.00	6.37
7.70	0.58	0.00	0.58	10.30	6.60	0.00	6.60
7.75	0.63	0.00	0.63	10.35	6.83	0.00	6.83

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	7.07	0.00	7.07	13.00	39.31	0.00	39.31
10.45	7.31	0.00	7.31	13.05	37.28	0.00	37.28
10.50	7.56	0.00	7.56	13.10	35.19	0.00	35.19
10.55	7.85	0.00	7.85	13.15	33.24	0.00	33.24
10.60	8.30	0.00	8.30	13.20	31.65	0.00	31.65
10.65	8.83	0.00	8.83	13.25	30.34	0.00	30.34
10.70	9.44	0.00	9.44	13.30	29.14	0.00	29.14
10.75	10.08	0.00	10.08	13.35	28.00	0.00	28.00
10.80	10.76	0.00	10.76	13.40	26.86	0.00	26.86
10.85	11.46	0.00	11.46	13.45	25.74	0.00	25.74
10.90	12.20	0.00	12.20	13.50	24.60	0.00	24.60
10.95	12.95	0.00	12.95	13.55	23.49	0.00	23.49
11.00	13.74	0.00	13.74	13.60	22.36	0.00	22.36
11.05	14.59	0.00	14.59	13.65	21.32	0.00	21.32
11.10	15.70	0.00	15.70	13.70	20.61	0.00	20.61
11.15	16.95	0.00	16.95	13.75	20.14	0.00	20.14
11.20	18.34	0.00	18.34	13.80	19.76	0.00	19.76
11.25	19.79	0.00	19.79	13.85	19.45	0.00	19.45
11.30	21.33	0.00	21.33	13.90	19.15	0.00	19.15
11.35	22.90	0.00	22.90	13.95	18.87	0.00	18.87
11.40	24.57	0.00	24.57	14.00	18.57	0.00	18.57
11.45	26.24	0.00	26.24	14.05	18.28	0.00	18.28
11.50	27.89	0.00	27.89	14.10	17.97	0.00	17.97
11.55	30.25	0.00	30.25	14.15	17.69	0.00	17.69
11.60	35.95	0.00	35.95	14.20	17.40	0.00	17.40
11.65	43.08	0.00	43.08	14.25	17.12	0.00	17.12
11.70	48.51	0.00	48.51	14.30	16.82	0.00	16.82
11.75	53.34	0.00	53.34	14.35	16.52	0.00	16.52
11.80	61.58	0.00	61.58	14.40	16.21	0.00	16.21
11.85	72.75	0.00	72.75	14.45	15.92	0.00	15.92
11.90	88.01	0.00	88.01	14.50	15.63	0.00	15.63
11.95	108.46	0.00	108.46	14.55	15.35	0.00	15.35
12.00	143.57	0.00	143.57	14.60	15.04	0.00	15.04
12.05	191.53	0.00	191.53	14.65	14.74	0.00	14.74
12.10	261.07	0.00	261.07	14.70	14.43	0.00	14.43
12.15	322.33	0.00	322.33	14.75	14.14	0.00	14.14
12.20	298.08	0.00	298.08	14.80	13.84	0.00	13.84
12.25	226.01	0.00	226.01	14.85	13.56	0.00	13.56
12.30	171.69	0.00	171.69	14.90	13.25	0.00	13.25
12.35	137.79	0.00	137.79	14.95	12.94	0.00	12.94
12.40	113.94	0.00	113.94	15.00	12.63	0.00	12.63
12.45	96.85	0.00	96.85	15.05	12.33	0.00	12.33
12.50	87.08	0.00	87.08	15.10	12.04	0.00	12.04
12.55	80.75	0.00	80.75	15.15	11.77	0.00	11.77
12.60	71.21	0.00	71.21	15.20	11.58	0.00	11.58
12.65	60.83	0.00	60.83	15.25	11.44	0.00	11.44
12.70	54.28	0.00	54.28	15.30	11.34	0.00	11.34
12.75	50.61	0.00	50.61	15.35	11.25	0.00	11.25
12.80	47.89	0.00	47.89	15.40	11.18	0.00	11.18
12.85	45.62	0.00	45.62	15.45	11.11	0.00	11.11
12.90	43.45	0.00	43.45	15.50	11.03	0.00	11.03
12.95	41.39	0.00	41.39	15.55	10.94	0.00	10.94

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	10.87	0.00	10.87	18.20	6.75	0.00	6.75
15.65	10.80	0.00	10.80	18.25	6.71	0.00	6.71
15.70	10.72	0.00	10.72	18.30	6.69	0.00	6.69
15.75	10.63	0.00	10.63	18.35	6.67	0.00	6.67
15.80	10.54	0.00	10.54	18.40	6.65	0.00	6.65
15.85	10.46	0.00	10.46	18.45	6.62	0.00	6.62
15.90	10.39	0.00	10.39	18.50	6.61	0.00	6.61
15.95	10.33	0.00	10.33	18.55	6.59	0.00	6.59
16.00	10.24	0.00	10.24	18.60	6.57	0.00	6.57
16.05	10.16	0.00	10.16	18.65	6.55	0.00	6.55
16.10	10.08	0.00	10.08	18.70	6.53	0.00	6.53
16.15	10.02	0.00	10.02	18.75	6.51	0.00	6.51
16.20	9.94	0.00	9.94	18.80	6.49	0.00	6.49
16.25	9.86	0.00	9.86	18.85	6.47	0.00	6.47
16.30	9.77	0.00	9.77	18.90	6.45	0.00	6.45
16.35	9.68	0.00	9.68	18.95	6.43	0.00	6.43
16.40	9.60	0.00	9.60	19.00	6.41	0.00	6.41
16.45	9.53	0.00	9.53	19.05	6.39	0.00	6.39
16.50	9.45	0.00	9.45	19.10	6.37	0.00	6.37
16.55	9.36	0.00	9.36	19.15	6.35	0.00	6.35
16.60	9.28	0.00	9.28	19.20	6.33	0.00	6.33
16.65	9.22	0.00	9.22	19.25	6.31	0.00	6.31
16.70	9.14	0.00	9.14	19.30	6.29	0.00	6.29
16.75	9.06	0.00	9.06	19.35	6.27	0.00	6.27
16.80	8.97	0.00	8.97	19.40	6.25	0.00	6.25
16.85	8.88	0.00	8.88	19.45	6.23	0.00	6.23
16.90	8.80	0.00	8.80	19.50	6.21	0.00	6.21
16.95	8.73	0.00	8.73	19.55	6.19	0.00	6.19
17.00	8.66	0.00	8.66	19.60	6.17	0.00	6.17
17.05	8.58	0.00	8.58	19.65	6.15	0.00	6.15
17.10	8.50	0.00	8.50	19.70	6.13	0.00	6.13
17.15	8.42	0.00	8.42	19.75	6.11	0.00	6.11
17.20	8.34	0.00	8.34	19.80	6.10	0.00	6.10
17.25	8.26	0.00	8.26	19.85	6.10	0.00	6.10
17.30	8.17	0.00	8.17	19.90	6.07	0.00	6.07
17.35	8.07	0.00	8.07	19.95	6.04	0.00	6.04
17.40	7.99	0.00	7.99	20.00	6.01	0.00	6.01
17.45	7.92	0.00	7.92	20.05	5.99	0.00	5.99
17.50	7.85	0.00	7.85	20.10	5.97	0.00	5.97
17.55	7.77	0.00	7.77	20.15	5.95	0.00	5.95
17.60	7.69	0.00	7.69	20.20	5.93	0.00	5.93
17.65	7.61	0.00	7.61	20.25	5.91	0.00	5.91
17.70	7.53	0.00	7.53	20.30	5.89	0.00	5.89
17.75	7.45	0.00	7.45	20.35	5.87	0.00	5.87
17.80	7.36	0.00	7.36	20.40	5.85	0.00	5.85
17.85	7.28	0.00	7.28	20.45	5.83	0.00	5.83
17.90	7.20	0.00	7.20	20.50	5.81	0.00	5.81
17.95	7.12	0.00	7.12	20.55	5.79	0.00	5.79
18.00	7.03	0.00	7.03	20.60	5.78	0.00	5.78
18.05	6.95	0.00	6.95	20.65	5.77	0.00	5.77
18.10	6.87	0.00	6.87	20.70	5.75	0.00	5.75
18.15	6.80	0.00	6.80	20.75	5.72	0.00	5.72

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.69	0.00	5.69	23.40	4.64	0.00	4.64
20.85	5.67	0.00	5.67	23.45	4.63	0.00	4.63
20.90	5.65	0.00	5.65	23.50	4.60	0.00	4.60
20.95	5.63	0.00	5.63	23.55	4.57	0.00	4.57
21.00	5.61	0.00	5.61	23.60	4.55	0.00	4.55
21.05	5.59	0.00	5.59	23.65	4.52	0.00	4.52
21.10	5.57	0.00	5.57	23.70	4.51	0.00	4.51
21.15	5.55	0.00	5.55	23.75	4.50	0.00	4.50
21.20	5.53	0.00	5.53	23.80	4.48	0.00	4.48
21.25	5.51	0.00	5.51	23.85	4.45	0.00	4.45
21.30	5.50	0.00	5.50	23.90	4.42	0.00	4.42
21.35	5.49	0.00	5.49	23.95	4.45	0.00	4.45
21.40	5.47	0.00	5.47	24.00	4.72	0.00	4.72
21.45	5.44	0.00	5.44	24.05	4.79	0.00	4.79
21.50	5.41	0.00	5.41	24.10	3.58	0.00	3.58
21.55	5.39	0.00	5.39	24.15	1.84	0.00	1.84
21.60	5.36	0.00	5.36	24.20	0.80	0.00	0.80
21.65	5.34	0.00	5.34	24.25	0.35	0.00	0.35
21.70	5.32	0.00	5.32	24.30	0.15	0.00	0.15
21.75	5.30	0.00	5.30	24.35	0.06	0.00	0.06
21.80	5.29	0.00	5.29	24.40	0.02	0.00	0.02
21.85	5.29	0.00	5.29	24.45	0.01	0.00	0.01
21.90	5.26	0.00	5.26	24.50	0.00	0.00	0.00
21.95	5.23	0.00	5.23	24.55	0.00	0.00	0.00
22.00	5.20	0.00	5.20	24.60	0.00	0.00	0.00
22.05	5.18	0.00	5.18	24.65	0.00	0.00	0.00
22.10	5.16	0.00	5.16	24.70	0.00	0.00	0.00
22.15	5.14	0.00	5.14	24.75	0.00	0.00	0.00
22.20	5.13	0.00	5.13	24.80	0.00	0.00	0.00
22.25	5.12	0.00	5.12	24.85	0.00	0.00	0.00
22.30	5.10	0.00	5.10	24.90	0.00	0.00	0.00
22.35	5.07	0.00	5.07	24.95	0.00	0.00	0.00
22.40	5.04	0.00	5.04	25.00	0.00	0.00	0.00
22.45	5.02	0.00	5.02	25.05	0.00	0.00	0.00
22.50	5.00	0.00	5.00	25.10	0.00	0.00	0.00
22.55	4.98	0.00	4.98	25.15	0.00	0.00	0.00
22.60	4.97	0.00	4.97	25.20	0.00	0.00	0.00
22.65	4.96	0.00	4.96	25.25	0.00	0.00	0.00
22.70	4.93	0.00	4.93	25.30	0.00	0.00	0.00
22.75	4.90	0.00	4.90	25.35	0.00	0.00	0.00
22.80	4.88	0.00	4.88	25.40	0.00	0.00	0.00
22.85	4.85	0.00	4.85	25.45	0.00	0.00	0.00
22.90	4.83	0.00	4.83	25.50	0.00	0.00	0.00
22.95	4.81	0.00	4.81	25.55	0.00	0.00	0.00
23.00	4.80	0.00	4.80	25.60	0.00	0.00	0.00
23.05	4.79	0.00	4.79	25.65	0.00	0.00	0.00
23.10	4.77	0.00	4.77	25.70	0.00	0.00	0.00
23.15	4.74	0.00	4.74	25.75	0.00	0.00	0.00
23.20	4.71	0.00	4.71	25.80	0.00	0.00	0.00
23.25	4.69	0.00	4.69	25.85	0.00	0.00	0.00
23.30	4.66	0.00	4.66	25.90	0.00	0.00	0.00
23.35	4.65	0.00	4.65	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

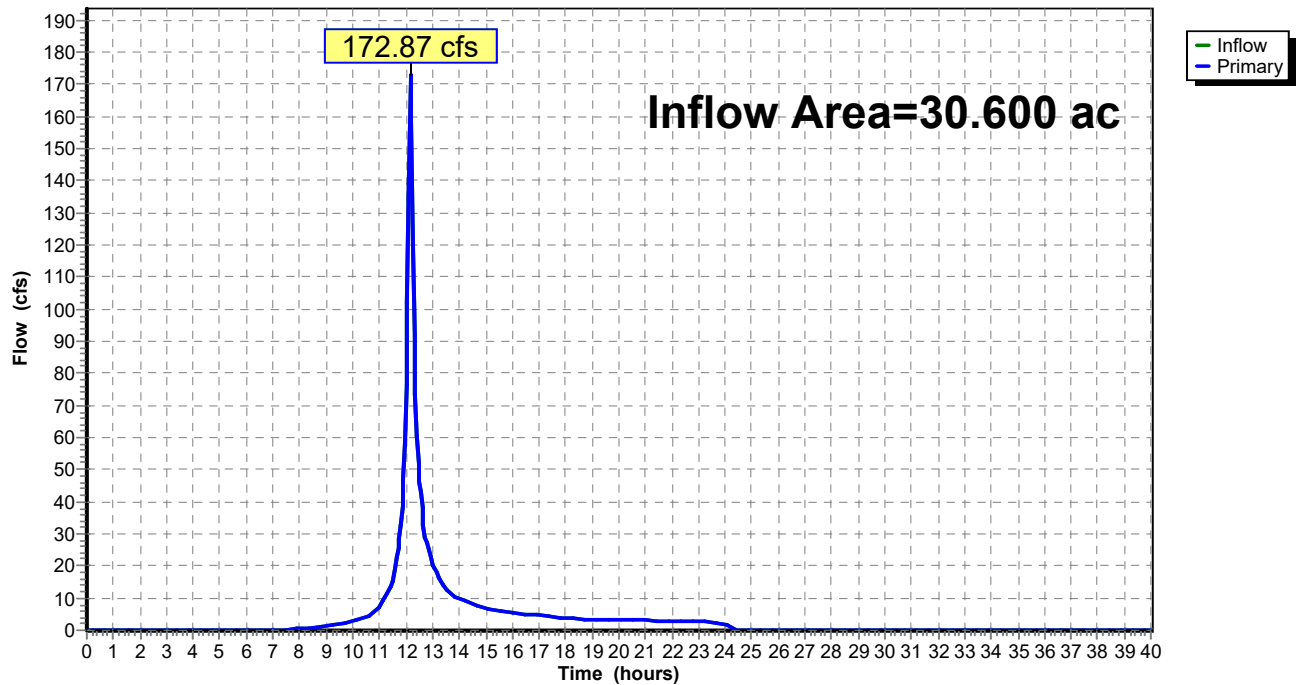
Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 4.93" for Current 100 yr event
 Inflow = 172.87 cfs @ 12.16 hrs, Volume= 12.566 af
 Primary = 172.87 cfs @ 12.16 hrs, Volume= 12.566 af, Atten= 0%, Lag= 0.0 min
 Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60

Hydrograph



Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.07	0.00	0.07
0.45	0.00	0.00	0.00	3.05	0.07	0.00	0.07
0.50	0.00	0.00	0.00	3.10	0.07	0.00	0.07
0.55	0.00	0.00	0.00	3.15	0.07	0.00	0.07
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.01	0.00	0.01	3.30	0.07	0.00	0.07
0.75	0.01	0.00	0.01	3.35	0.07	0.00	0.07
0.80	0.01	0.00	0.01	3.40	0.07	0.00	0.07
0.85	0.01	0.00	0.01	3.45	0.07	0.00	0.07
0.90	0.02	0.00	0.02	3.50	0.07	0.00	0.07
0.95	0.02	0.00	0.02	3.55	0.07	0.00	0.07
1.00	0.02	0.00	0.02	3.60	0.07	0.00	0.07
1.05	0.02	0.00	0.02	3.65	0.07	0.00	0.07
1.10	0.02	0.00	0.02	3.70	0.08	0.00	0.08
1.15	0.03	0.00	0.03	3.75	0.08	0.00	0.08
1.20	0.03	0.00	0.03	3.80	0.08	0.00	0.08
1.25	0.03	0.00	0.03	3.85	0.08	0.00	0.08
1.30	0.03	0.00	0.03	3.90	0.08	0.00	0.08
1.35	0.03	0.00	0.03	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.04	0.00	0.04	4.05	0.08	0.00	0.08
1.50	0.04	0.00	0.04	4.10	0.08	0.00	0.08
1.55	0.04	0.00	0.04	4.15	0.08	0.00	0.08
1.60	0.04	0.00	0.04	4.20	0.08	0.00	0.08
1.65	0.04	0.00	0.04	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.05	0.00	0.05	4.40	0.08	0.00	0.08
1.85	0.05	0.00	0.05	4.45	0.08	0.00	0.08
1.90	0.05	0.00	0.05	4.50	0.08	0.00	0.08
1.95	0.05	0.00	0.05	4.55	0.08	0.00	0.08
2.00	0.05	0.00	0.05	4.60	0.08	0.00	0.08
2.05	0.05	0.00	0.05	4.65	0.09	0.00	0.09
2.10	0.05	0.00	0.05	4.70	0.09	0.00	0.09
2.15	0.05	0.00	0.05	4.75	0.09	0.00	0.09
2.20	0.05	0.00	0.05	4.80	0.09	0.00	0.09
2.25	0.05	0.00	0.05	4.85	0.09	0.00	0.09
2.30	0.06	0.00	0.06	4.90	0.09	0.00	0.09
2.35	0.06	0.00	0.06	4.95	0.09	0.00	0.09
2.40	0.06	0.00	0.06	5.00	0.09	0.00	0.09
2.45	0.06	0.00	0.06	5.05	0.09	0.00	0.09
2.50	0.06	0.00	0.06	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.37	0.00	0.37
5.25	0.09	0.00	0.09	7.85	0.40	0.00	0.40
5.30	0.09	0.00	0.09	7.90	0.43	0.00	0.43
5.35	0.09	0.00	0.09	7.95	0.46	0.00	0.46
5.40	0.09	0.00	0.09	8.00	0.49	0.00	0.49
5.45	0.09	0.00	0.09	8.05	0.52	0.00	0.52
5.50	0.09	0.00	0.09	8.10	0.55	0.00	0.55
5.55	0.09	0.00	0.09	8.15	0.58	0.00	0.58
5.60	0.09	0.00	0.09	8.20	0.61	0.00	0.61
5.65	0.09	0.00	0.09	8.25	0.64	0.00	0.64
5.70	0.09	0.00	0.09	8.30	0.68	0.00	0.68
5.75	0.09	0.00	0.09	8.35	0.71	0.00	0.71
5.80	0.10	0.00	0.10	8.40	0.74	0.00	0.74
5.85	0.10	0.00	0.10	8.45	0.78	0.00	0.78
5.90	0.10	0.00	0.10	8.50	0.81	0.00	0.81
5.95	0.10	0.00	0.10	8.55	0.85	0.00	0.85
6.00	0.10	0.00	0.10	8.60	0.88	0.00	0.88
6.05	0.10	0.00	0.10	8.65	0.92	0.00	0.92
6.10	0.10	0.00	0.10	8.70	0.95	0.00	0.95
6.15	0.10	0.00	0.10	8.75	0.99	0.00	0.99
6.20	0.10	0.00	0.10	8.80	1.03	0.00	1.03
6.25	0.10	0.00	0.10	8.85	1.06	0.00	1.06
6.30	0.10	0.00	0.10	8.90	1.10	0.00	1.10
6.35	0.10	0.00	0.10	8.95	1.14	0.00	1.14
6.40	0.11	0.00	0.11	9.00	1.18	0.00	1.18
6.45	0.11	0.00	0.11	9.05	1.22	0.00	1.22
6.50	0.11	0.00	0.11	9.10	1.27	0.00	1.27
6.55	0.11	0.00	0.11	9.15	1.33	0.00	1.33
6.60	0.11	0.00	0.11	9.20	1.40	0.00	1.40
6.65	0.11	0.00	0.11	9.25	1.47	0.00	1.47
6.70	0.11	0.00	0.11	9.30	1.54	0.00	1.54
6.75	0.12	0.00	0.12	9.35	1.62	0.00	1.62
6.80	0.12	0.00	0.12	9.40	1.70	0.00	1.70
6.85	0.12	0.00	0.12	9.45	1.78	0.00	1.78
6.90	0.12	0.00	0.12	9.50	1.86	0.00	1.86
6.95	0.12	0.00	0.12	9.55	1.94	0.00	1.94
7.00	0.12	0.00	0.12	9.60	2.03	0.00	2.03
7.05	0.12	0.00	0.12	9.65	2.12	0.00	2.12
7.10	0.12	0.00	0.12	9.70	2.21	0.00	2.21
7.15	0.13	0.00	0.13	9.75	2.31	0.00	2.31
7.20	0.13	0.00	0.13	9.80	2.40	0.00	2.40
7.25	0.13	0.00	0.13	9.85	2.50	0.00	2.50
7.30	0.13	0.00	0.13	9.90	2.61	0.00	2.61
7.35	0.15	0.00	0.15	9.95	2.71	0.00	2.71
7.40	0.17	0.00	0.17	10.00	2.82	0.00	2.82
7.45	0.19	0.00	0.19	10.05	2.93	0.00	2.93
7.50	0.21	0.00	0.21	10.10	3.04	0.00	3.04
7.55	0.24	0.00	0.24	10.15	3.15	0.00	3.15
7.60	0.26	0.00	0.26	10.20	3.27	0.00	3.27
7.65	0.29	0.00	0.29	10.25	3.39	0.00	3.39
7.70	0.32	0.00	0.32	10.30	3.51	0.00	3.51
7.75	0.34	0.00	0.34	10.35	3.63	0.00	3.63

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.76	0.00	3.76	13.00	20.99	0.00	20.99
10.45	3.89	0.00	3.89	13.05	19.90	0.00	19.90
10.50	4.02	0.00	4.02	13.10	18.79	0.00	18.79
10.55	4.18	0.00	4.18	13.15	17.75	0.00	17.75
10.60	4.41	0.00	4.41	13.20	16.90	0.00	16.90
10.65	4.70	0.00	4.70	13.25	16.20	0.00	16.20
10.70	5.02	0.00	5.02	13.30	15.56	0.00	15.56
10.75	5.36	0.00	5.36	13.35	14.95	0.00	14.95
10.80	5.72	0.00	5.72	13.40	14.34	0.00	14.34
10.85	6.10	0.00	6.10	13.45	13.74	0.00	13.74
10.90	6.49	0.00	6.49	13.50	13.14	0.00	13.14
10.95	6.89	0.00	6.89	13.55	12.54	0.00	12.54
11.00	7.31	0.00	7.31	13.60	11.94	0.00	11.94
11.05	7.76	0.00	7.76	13.65	11.39	0.00	11.39
11.10	8.35	0.00	8.35	13.70	11.01	0.00	11.01
11.15	9.01	0.00	9.01	13.75	10.75	0.00	10.75
11.20	9.75	0.00	9.75	13.80	10.55	0.00	10.55
11.25	10.52	0.00	10.52	13.85	10.38	0.00	10.38
11.30	11.34	0.00	11.34	13.90	10.23	0.00	10.23
11.35	12.18	0.00	12.18	13.95	10.08	0.00	10.08
11.40	13.07	0.00	13.07	14.00	9.92	0.00	9.92
11.45	13.95	0.00	13.95	14.05	9.76	0.00	9.76
11.50	14.83	0.00	14.83	14.10	9.60	0.00	9.60
11.55	16.09	0.00	16.09	14.15	9.45	0.00	9.45
11.60	19.12	0.00	19.12	14.20	9.29	0.00	9.29
11.65	22.91	0.00	22.91	14.25	9.14	0.00	9.14
11.70	25.80	0.00	25.80	14.30	8.98	0.00	8.98
11.75	28.37	0.00	28.37	14.35	8.82	0.00	8.82
11.80	32.76	0.00	32.76	14.40	8.66	0.00	8.66
11.85	38.71	0.00	38.71	14.45	8.50	0.00	8.50
11.90	46.84	0.00	46.84	14.50	8.35	0.00	8.35
11.95	57.73	0.00	57.73	14.55	8.20	0.00	8.20
12.00	76.44	0.00	76.44	14.60	8.04	0.00	8.04
12.05	102.01	0.00	102.01	14.65	7.87	0.00	7.87
12.10	139.09	0.00	139.09	14.70	7.71	0.00	7.71
12.15	171.79	0.00	171.79	14.75	7.55	0.00	7.55
12.20	158.91	0.00	158.91	14.80	7.39	0.00	7.39
12.25	120.51	0.00	120.51	14.85	7.24	0.00	7.24
12.30	91.57	0.00	91.57	14.90	7.08	0.00	7.08
12.35	73.50	0.00	73.50	14.95	6.91	0.00	6.91
12.40	60.79	0.00	60.79	15.00	6.75	0.00	6.75
12.45	51.68	0.00	51.68	15.05	6.59	0.00	6.59
12.50	46.46	0.00	46.46	15.10	6.43	0.00	6.43
12.55	43.09	0.00	43.09	15.15	6.29	0.00	6.29
12.60	38.00	0.00	38.00	15.20	6.19	0.00	6.19
12.65	32.46	0.00	32.46	15.25	6.11	0.00	6.11
12.70	28.97	0.00	28.97	15.30	6.06	0.00	6.06
12.75	27.01	0.00	27.01	15.35	6.01	0.00	6.01
12.80	25.56	0.00	25.56	15.40	5.97	0.00	5.97
12.85	24.35	0.00	24.35	15.45	5.94	0.00	5.94
12.90	23.19	0.00	23.19	15.50	5.89	0.00	5.89
12.95	22.10	0.00	22.10	15.55	5.85	0.00	5.85

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.81	0.00	5.81	18.20	3.60	0.00	3.60
15.65	5.77	0.00	5.77	18.25	3.59	0.00	3.59
15.70	5.73	0.00	5.73	18.30	3.57	0.00	3.57
15.75	5.68	0.00	5.68	18.35	3.56	0.00	3.56
15.80	5.63	0.00	5.63	18.40	3.55	0.00	3.55
15.85	5.59	0.00	5.59	18.45	3.54	0.00	3.54
15.90	5.55	0.00	5.55	18.50	3.53	0.00	3.53
15.95	5.52	0.00	5.52	18.55	3.52	0.00	3.52
16.00	5.47	0.00	5.47	18.60	3.51	0.00	3.51
16.05	5.43	0.00	5.43	18.65	3.50	0.00	3.50
16.10	5.39	0.00	5.39	18.70	3.49	0.00	3.49
16.15	5.35	0.00	5.35	18.75	3.48	0.00	3.48
16.20	5.31	0.00	5.31	18.80	3.47	0.00	3.47
16.25	5.27	0.00	5.27	18.85	3.46	0.00	3.46
16.30	5.22	0.00	5.22	18.90	3.45	0.00	3.45
16.35	5.17	0.00	5.17	18.95	3.43	0.00	3.43
16.40	5.13	0.00	5.13	19.00	3.42	0.00	3.42
16.45	5.09	0.00	5.09	19.05	3.41	0.00	3.41
16.50	5.05	0.00	5.05	19.10	3.40	0.00	3.40
16.55	5.00	0.00	5.00	19.15	3.39	0.00	3.39
16.60	4.96	0.00	4.96	19.20	3.38	0.00	3.38
16.65	4.92	0.00	4.92	19.25	3.37	0.00	3.37
16.70	4.88	0.00	4.88	19.30	3.36	0.00	3.36
16.75	4.84	0.00	4.84	19.35	3.35	0.00	3.35
16.80	4.79	0.00	4.79	19.40	3.34	0.00	3.34
16.85	4.74	0.00	4.74	19.45	3.33	0.00	3.33
16.90	4.70	0.00	4.70	19.50	3.32	0.00	3.32
16.95	4.67	0.00	4.67	19.55	3.31	0.00	3.31
17.00	4.63	0.00	4.63	19.60	3.30	0.00	3.30
17.05	4.58	0.00	4.58	19.65	3.29	0.00	3.29
17.10	4.54	0.00	4.54	19.70	3.28	0.00	3.28
17.15	4.50	0.00	4.50	19.75	3.27	0.00	3.27
17.20	4.46	0.00	4.46	19.80	3.26	0.00	3.26
17.25	4.41	0.00	4.41	19.85	3.26	0.00	3.26
17.30	4.36	0.00	4.36	19.90	3.24	0.00	3.24
17.35	4.31	0.00	4.31	19.95	3.23	0.00	3.23
17.40	4.27	0.00	4.27	20.00	3.21	0.00	3.21
17.45	4.23	0.00	4.23	20.05	3.20	0.00	3.20
17.50	4.19	0.00	4.19	20.10	3.19	0.00	3.19
17.55	4.15	0.00	4.15	20.15	3.18	0.00	3.18
17.60	4.11	0.00	4.11	20.20	3.17	0.00	3.17
17.65	4.07	0.00	4.07	20.25	3.16	0.00	3.16
17.70	4.02	0.00	4.02	20.30	3.15	0.00	3.15
17.75	3.98	0.00	3.98	20.35	3.14	0.00	3.14
17.80	3.93	0.00	3.93	20.40	3.13	0.00	3.13
17.85	3.89	0.00	3.89	20.45	3.11	0.00	3.11
17.90	3.85	0.00	3.85	20.50	3.10	0.00	3.10
17.95	3.80	0.00	3.80	20.55	3.09	0.00	3.09
18.00	3.76	0.00	3.76	20.60	3.09	0.00	3.09
18.05	3.72	0.00	3.72	20.65	3.09	0.00	3.09
18.10	3.67	0.00	3.67	20.70	3.07	0.00	3.07
18.15	3.63	0.00	3.63	20.75	3.06	0.00	3.06

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.04	0.00	3.04	23.40	2.48	0.00	2.48
20.85	3.03	0.00	3.03	23.45	2.47	0.00	2.47
20.90	3.02	0.00	3.02	23.50	2.46	0.00	2.46
20.95	3.01	0.00	3.01	23.55	2.44	0.00	2.44
21.00	3.00	0.00	3.00	23.60	2.43	0.00	2.43
21.05	2.99	0.00	2.99	23.65	2.42	0.00	2.42
21.10	2.97	0.00	2.97	23.70	2.41	0.00	2.41
21.15	2.96	0.00	2.96	23.75	2.41	0.00	2.41
21.20	2.95	0.00	2.95	23.80	2.39	0.00	2.39
21.25	2.94	0.00	2.94	23.85	2.38	0.00	2.38
21.30	2.94	0.00	2.94	23.90	2.36	0.00	2.36
21.35	2.93	0.00	2.93	23.95	2.38	0.00	2.38
21.40	2.92	0.00	2.92	24.00	2.52	0.00	2.52
21.45	2.91	0.00	2.91	24.05	2.56	0.00	2.56
21.50	2.89	0.00	2.89	24.10	1.92	0.00	1.92
21.55	2.88	0.00	2.88	24.15	0.98	0.00	0.98
21.60	2.87	0.00	2.87	24.20	0.43	0.00	0.43
21.65	2.86	0.00	2.86	24.25	0.19	0.00	0.19
21.70	2.84	0.00	2.84	24.30	0.08	0.00	0.08
21.75	2.83	0.00	2.83	24.35	0.03	0.00	0.03
21.80	2.83	0.00	2.83	24.40	0.01	0.00	0.01
21.85	2.82	0.00	2.82	24.45	0.00	0.00	0.00
21.90	2.81	0.00	2.81	24.50	0.00	0.00	0.00
21.95	2.80	0.00	2.80	24.55	0.00	0.00	0.00
22.00	2.78	0.00	2.78	24.60	0.00	0.00	0.00
22.05	2.77	0.00	2.77	24.65	0.00	0.00	0.00
22.10	2.76	0.00	2.76	24.70	0.00	0.00	0.00
22.15	2.75	0.00	2.75	24.75	0.00	0.00	0.00
22.20	2.74	0.00	2.74	24.80	0.00	0.00	0.00
22.25	2.74	0.00	2.74	24.85	0.00	0.00	0.00
22.30	2.73	0.00	2.73	24.90	0.00	0.00	0.00
22.35	2.71	0.00	2.71	24.95	0.00	0.00	0.00
22.40	2.69	0.00	2.69	25.00	0.00	0.00	0.00
22.45	2.68	0.00	2.68	25.05	0.00	0.00	0.00
22.50	2.67	0.00	2.67	25.10	0.00	0.00	0.00
22.55	2.66	0.00	2.66	25.15	0.00	0.00	0.00
22.60	2.65	0.00	2.65	25.20	0.00	0.00	0.00
22.65	2.65	0.00	2.65	25.25	0.00	0.00	0.00
22.70	2.64	0.00	2.64	25.30	0.00	0.00	0.00
22.75	2.62	0.00	2.62	25.35	0.00	0.00	0.00
22.80	2.61	0.00	2.61	25.40	0.00	0.00	0.00
22.85	2.59	0.00	2.59	25.45	0.00	0.00	0.00
22.90	2.58	0.00	2.58	25.50	0.00	0.00	0.00
22.95	2.57	0.00	2.57	25.55	0.00	0.00	0.00
23.00	2.57	0.00	2.57	25.60	0.00	0.00	0.00
23.05	2.56	0.00	2.56	25.65	0.00	0.00	0.00
23.10	2.55	0.00	2.55	25.70	0.00	0.00	0.00
23.15	2.53	0.00	2.53	25.75	0.00	0.00	0.00
23.20	2.52	0.00	2.52	25.80	0.00	0.00	0.00
23.25	2.51	0.00	2.51	25.85	0.00	0.00	0.00
23.30	2.49	0.00	2.49	25.90	0.00	0.00	0.00
23.35	2.48	0.00	2.48	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

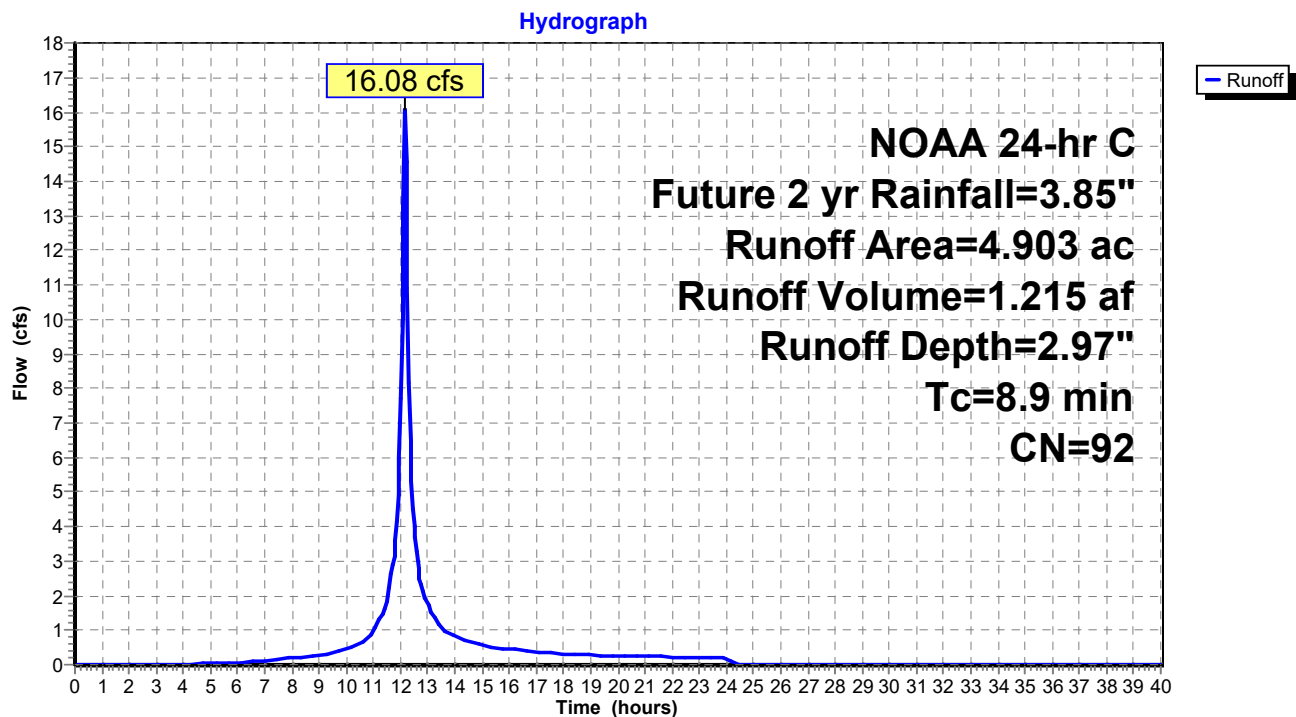
Runoff = 16.08 cfs @ 12.16 hrs, Volume= 1.215 af, Depth= 2.97"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.01
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.01
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.01
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.01
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.01
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.01
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.02
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.02
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.02
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.02
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.02
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.02
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.03
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.03
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.03
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.03
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.03
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.03
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.04
2.40	0.11	0.00	0.00	5.00	0.24	0.01	0.04
2.45	0.11	0.00	0.00	5.05	0.25	0.01	0.04
2.50	0.11	0.00	0.00	5.10	0.25	0.01	0.04
2.55	0.11	0.00	0.00	5.15	0.25	0.01	0.04

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.01	0.04	7.80	0.44	0.06	0.18
5.25	0.26	0.01	0.05	7.85	0.45	0.07	0.18
5.30	0.26	0.01	0.05	7.90	0.45	0.07	0.18
5.35	0.27	0.01	0.05	7.95	0.46	0.07	0.19
5.40	0.27	0.01	0.05	8.00	0.46	0.07	0.19
5.45	0.27	0.01	0.05	8.05	0.47	0.07	0.19
5.50	0.27	0.01	0.05	8.10	0.47	0.08	0.20
5.55	0.28	0.01	0.06	8.15	0.48	0.08	0.20
5.60	0.28	0.01	0.06	8.20	0.48	0.08	0.21
5.65	0.28	0.01	0.06	8.25	0.49	0.08	0.21
5.70	0.29	0.01	0.06	8.30	0.49	0.08	0.21
5.75	0.29	0.01	0.06	8.35	0.49	0.09	0.22
5.80	0.29	0.01	0.06	8.40	0.50	0.09	0.22
5.85	0.30	0.01	0.07	8.45	0.50	0.09	0.22
5.90	0.30	0.02	0.07	8.50	0.51	0.09	0.23
5.95	0.30	0.02	0.07	8.55	0.51	0.10	0.23
6.00	0.31	0.02	0.07	8.60	0.52	0.10	0.24
6.05	0.31	0.02	0.07	8.65	0.53	0.10	0.24
6.10	0.31	0.02	0.07	8.70	0.53	0.10	0.24
6.15	0.31	0.02	0.08	8.75	0.54	0.11	0.25
6.20	0.32	0.02	0.08	8.80	0.54	0.11	0.25
6.25	0.32	0.02	0.08	8.85	0.55	0.11	0.26
6.30	0.32	0.02	0.08	8.90	0.55	0.11	0.26
6.35	0.33	0.02	0.09	8.95	0.56	0.12	0.26
6.40	0.33	0.02	0.09	9.00	0.56	0.12	0.27
6.45	0.33	0.03	0.09	9.05	0.57	0.12	0.27
6.50	0.34	0.03	0.09	9.10	0.57	0.13	0.28
6.55	0.34	0.03	0.10	9.15	0.58	0.13	0.29
6.60	0.35	0.03	0.10	9.20	0.59	0.13	0.30
6.65	0.35	0.03	0.10	9.25	0.59	0.14	0.31
6.70	0.35	0.03	0.11	9.30	0.60	0.14	0.32
6.75	0.36	0.03	0.11	9.35	0.60	0.14	0.33
6.80	0.36	0.03	0.11	9.40	0.61	0.15	0.34
6.85	0.36	0.03	0.11	9.45	0.62	0.15	0.35
6.90	0.37	0.04	0.12	9.50	0.62	0.15	0.36
6.95	0.37	0.04	0.12	9.55	0.63	0.16	0.37
7.00	0.38	0.04	0.12	9.60	0.64	0.16	0.38
7.05	0.38	0.04	0.13	9.65	0.65	0.17	0.39
7.10	0.38	0.04	0.13	9.70	0.65	0.17	0.41
7.15	0.39	0.04	0.13	9.75	0.66	0.18	0.42
7.20	0.39	0.04	0.14	9.80	0.67	0.18	0.43
7.25	0.40	0.05	0.14	9.85	0.68	0.18	0.44
7.30	0.40	0.05	0.14	9.90	0.69	0.19	0.45
7.35	0.40	0.05	0.15	9.95	0.69	0.19	0.46
7.40	0.41	0.05	0.15	10.00	0.70	0.20	0.48
7.45	0.41	0.05	0.15	10.05	0.71	0.20	0.49
7.50	0.42	0.05	0.16	10.10	0.72	0.21	0.50
7.55	0.42	0.05	0.16	10.15	0.73	0.22	0.51
7.60	0.43	0.06	0.16	10.20	0.74	0.22	0.53
7.65	0.43	0.06	0.17	10.25	0.75	0.23	0.54
7.70	0.43	0.06	0.17	10.30	0.76	0.23	0.55
7.75	0.44	0.06	0.17	10.35	0.76	0.24	0.57

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.25	0.58	13.00	2.93	2.09	1.78
10.45	0.78	0.25	0.59	13.05	2.94	2.11	1.69
10.50	0.79	0.26	0.61	13.10	2.96	2.12	1.59
10.55	0.80	0.26	0.62	13.15	2.97	2.13	1.50
10.60	0.82	0.27	0.65	13.20	2.98	2.15	1.43
10.65	0.83	0.28	0.68	13.25	3.00	2.16	1.37
10.70	0.84	0.29	0.72	13.30	3.01	2.17	1.31
10.75	0.85	0.30	0.76	13.35	3.02	2.18	1.26
10.80	0.87	0.31	0.81	13.40	3.03	2.19	1.21
10.85	0.88	0.32	0.85	13.45	3.05	2.20	1.15
10.90	0.89	0.33	0.89	13.50	3.06	2.21	1.10
10.95	0.91	0.34	0.94	13.55	3.07	2.22	1.05
11.00	0.92	0.35	0.99	13.60	3.08	2.23	1.00
11.05	0.94	0.36	1.03	13.65	3.09	2.24	0.95
11.10	0.96	0.37	1.10	13.70	3.09	2.25	0.92
11.15	0.98	0.39	1.17	13.75	3.10	2.26	0.90
11.20	1.00	0.40	1.25	13.80	3.11	2.27	0.88
11.25	1.02	0.42	1.34	13.85	3.12	2.28	0.87
11.30	1.04	0.43	1.42	13.90	3.13	2.29	0.85
11.35	1.06	0.45	1.51	13.95	3.14	2.29	0.84
11.40	1.09	0.47	1.60	14.00	3.15	2.30	0.83
11.45	1.11	0.49	1.69	14.05	3.16	2.31	0.81
11.50	1.14	0.51	1.77	14.10	3.16	2.32	0.80
11.55	1.18	0.54	1.90	14.15	3.17	2.32	0.79
11.60	1.22	0.57	2.22	14.20	3.18	2.33	0.77
11.65	1.26	0.60	2.63	14.25	3.19	2.34	0.76
11.70	1.30	0.63	2.92	14.30	3.20	2.35	0.75
11.75	1.35	0.68	3.16	14.35	3.20	2.35	0.73
11.80	1.41	0.73	3.59	14.40	3.21	2.36	0.72
11.85	1.49	0.79	4.16	14.45	3.22	2.37	0.71
11.90	1.57	0.86	4.94	14.50	3.23	2.37	0.69
11.95	1.70	0.97	5.97	14.55	3.23	2.38	0.68
12.00	1.83	1.09	7.72	14.60	3.24	2.39	0.67
12.05	2.06	1.29	10.04	14.65	3.25	2.39	0.65
12.10	2.28	1.49	13.31	14.70	3.25	2.40	0.64
12.15	2.36	1.57	16.03	14.75	3.26	2.41	0.63
12.20	2.44	1.64	14.57	14.80	3.26	2.41	0.61
12.25	2.50	1.69	10.91	14.85	3.27	2.42	0.60
12.30	2.55	1.74	8.19	14.90	3.28	2.42	0.59
12.35	2.59	1.78	6.51	14.95	3.28	2.43	0.57
12.40	2.63	1.82	5.34	15.00	3.29	2.43	0.56
12.45	2.67	1.85	4.51	15.05	3.29	2.44	0.55
12.50	2.71	1.89	4.03	15.10	3.30	2.44	0.53
12.55	2.74	1.91	3.72	15.15	3.30	2.45	0.52
12.60	2.76	1.94	3.27	15.20	3.31	2.45	0.51
12.65	2.79	1.96	2.79	15.25	3.31	2.46	0.51
12.70	2.81	1.98	2.48	15.30	3.32	2.46	0.50
12.75	2.83	2.00	2.31	15.35	3.32	2.47	0.50
12.80	2.85	2.02	2.18	15.40	3.33	2.47	0.49
12.85	2.87	2.04	2.07	15.45	3.34	2.48	0.49
12.90	2.89	2.06	1.97	15.50	3.34	2.48	0.49
12.95	2.91	2.08	1.88	15.55	3.35	2.49	0.48

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	2.49	0.48	18.20	3.56	2.69	0.29
15.65	3.36	2.50	0.48	18.25	3.56	2.69	0.29
15.70	3.36	2.50	0.47	18.30	3.56	2.70	0.29
15.75	3.36	2.51	0.47	18.35	3.57	2.70	0.29
15.80	3.37	2.51	0.46	18.40	3.57	2.70	0.29
15.85	3.37	2.52	0.46	18.45	3.57	2.71	0.29
15.90	3.38	2.52	0.46	18.50	3.58	2.71	0.29
15.95	3.38	2.53	0.45	18.55	3.58	2.71	0.29
16.00	3.39	2.53	0.45	18.60	3.58	2.71	0.29
16.05	3.39	2.53	0.45	18.65	3.58	2.72	0.29
16.10	3.40	2.54	0.44	18.70	3.59	2.72	0.28
16.15	3.40	2.54	0.44	18.75	3.59	2.72	0.28
16.20	3.41	2.55	0.44	18.80	3.59	2.73	0.28
16.25	3.41	2.55	0.43	18.85	3.60	2.73	0.28
16.30	3.42	2.56	0.43	18.90	3.60	2.73	0.28
16.35	3.42	2.56	0.43	18.95	3.60	2.73	0.28
16.40	3.42	2.56	0.42	19.00	3.61	2.74	0.28
16.45	3.43	2.57	0.42	19.05	3.61	2.74	0.28
16.50	3.43	2.57	0.41	19.10	3.61	2.74	0.28
16.55	3.44	2.58	0.41	19.15	3.61	2.75	0.28
16.60	3.44	2.58	0.41	19.20	3.62	2.75	0.28
16.65	3.45	2.59	0.40	19.25	3.62	2.75	0.27
16.70	3.45	2.59	0.40	19.30	3.62	2.75	0.27
16.75	3.45	2.59	0.40	19.35	3.63	2.76	0.27
16.80	3.46	2.60	0.39	19.40	3.63	2.76	0.27
16.85	3.46	2.60	0.39	19.45	3.63	2.76	0.27
16.90	3.47	2.60	0.39	19.50	3.63	2.76	0.27
16.95	3.47	2.61	0.38	19.55	3.64	2.77	0.27
17.00	3.47	2.61	0.38	19.60	3.64	2.77	0.27
17.05	3.48	2.62	0.38	19.65	3.64	2.77	0.27
17.10	3.48	2.62	0.37	19.70	3.65	2.78	0.27
17.15	3.49	2.62	0.37	19.75	3.65	2.78	0.27
17.20	3.49	2.63	0.37	19.80	3.65	2.78	0.27
17.25	3.49	2.63	0.36	19.85	3.65	2.78	0.26
17.30	3.50	2.63	0.36	19.90	3.66	2.79	0.26
17.35	3.50	2.64	0.35	19.95	3.66	2.79	0.26
17.40	3.50	2.64	0.35	20.00	3.66	2.79	0.26
17.45	3.51	2.64	0.35	20.05	3.66	2.79	0.26
17.50	3.51	2.65	0.34	20.10	3.67	2.80	0.26
17.55	3.52	2.65	0.34	20.15	3.67	2.80	0.26
17.60	3.52	2.65	0.34	20.20	3.67	2.80	0.26
17.65	3.52	2.66	0.33	20.25	3.68	2.80	0.26
17.70	3.53	2.66	0.33	20.30	3.68	2.81	0.26
17.75	3.53	2.66	0.33	20.35	3.68	2.81	0.25
17.80	3.53	2.67	0.32	20.40	3.68	2.81	0.25
17.85	3.54	2.67	0.32	20.45	3.69	2.81	0.25
17.90	3.54	2.67	0.31	20.50	3.69	2.82	0.25
17.95	3.54	2.68	0.31	20.55	3.69	2.82	0.25
18.00	3.54	2.68	0.31	20.60	3.69	2.82	0.25
18.05	3.55	2.68	0.30	20.65	3.70	2.82	0.25
18.10	3.55	2.69	0.30	20.70	3.70	2.83	0.25
18.15	3.55	2.69	0.30	20.75	3.70	2.83	0.25

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	2.83	0.25	23.40	3.82	2.95	0.20
20.85	3.71	2.83	0.25	23.45	3.83	2.95	0.20
20.90	3.71	2.84	0.24	23.50	3.83	2.95	0.20
20.95	3.71	2.84	0.24	23.55	3.83	2.95	0.20
21.00	3.71	2.84	0.24	23.60	3.83	2.96	0.20
21.05	3.72	2.84	0.24	23.65	3.84	2.96	0.20
21.10	3.72	2.85	0.24	23.70	3.84	2.96	0.19
21.15	3.72	2.85	0.24	23.75	3.84	2.96	0.19
21.20	3.72	2.85	0.24	23.80	3.84	2.96	0.19
21.25	3.73	2.85	0.24	23.85	3.84	2.97	0.19
21.30	3.73	2.86	0.24	23.90	3.85	2.97	0.19
21.35	3.73	2.86	0.24	23.95	3.85	2.97	0.19
21.40	3.73	2.86	0.24	24.00	3.85	2.97	0.20
21.45	3.74	2.86	0.24	24.05	3.85	2.97	0.21
21.50	3.74	2.87	0.23	24.10	3.85	2.97	0.15
21.55	3.74	2.87	0.23	24.15	3.85	2.97	0.08
21.60	3.74	2.87	0.23	24.20	3.85	2.97	0.03
21.65	3.75	2.87	0.23	24.25	3.85	2.97	0.02
21.70	3.75	2.88	0.23	24.30	3.85	2.97	0.01
21.75	3.75	2.88	0.23	24.35	3.85	2.97	0.00
21.80	3.75	2.88	0.23	24.40	3.85	2.97	0.00
21.85	3.76	2.88	0.23	24.45	3.85	2.97	0.00
21.90	3.76	2.88	0.23	24.50	3.85	2.97	0.00
21.95	3.76	2.89	0.23	24.55	3.85	2.97	0.00
22.00	3.76	2.89	0.23	24.60	3.85	2.97	0.00
22.05	3.77	2.89	0.22	24.65	3.85	2.97	0.00
22.10	3.77	2.89	0.22	24.70	3.85	2.97	0.00
22.15	3.77	2.90	0.22	24.75	3.85	2.97	0.00
22.20	3.77	2.90	0.22	24.80	3.85	2.97	0.00
22.25	3.77	2.90	0.22	24.85	3.85	2.97	0.00
22.30	3.78	2.90	0.22	24.90	3.85	2.97	0.00
22.35	3.78	2.90	0.22	24.95	3.85	2.97	0.00
22.40	3.78	2.91	0.22	25.00	3.85	2.97	0.00
22.45	3.78	2.91	0.22	25.05	3.85	2.97	0.00
22.50	3.79	2.91	0.22	25.10	3.85	2.97	0.00
22.55	3.79	2.91	0.22	25.15	3.85	2.97	0.00
22.60	3.79	2.92	0.21	25.20	3.85	2.97	0.00
22.65	3.79	2.92	0.21	25.25	3.85	2.97	0.00
22.70	3.79	2.92	0.21	25.30	3.85	2.97	0.00
22.75	3.80	2.92	0.21	25.35	3.85	2.97	0.00
22.80	3.80	2.92	0.21	25.40	3.85	2.97	0.00
22.85	3.80	2.93	0.21	25.45	3.85	2.97	0.00
22.90	3.80	2.93	0.21	25.50	3.85	2.97	0.00
22.95	3.81	2.93	0.21	25.55	3.85	2.97	0.00
23.00	3.81	2.93	0.21	25.60	3.85	2.97	0.00
23.05	3.81	2.93	0.21	25.65	3.85	2.97	0.00
23.10	3.81	2.94	0.21	25.70	3.85	2.97	0.00
23.15	3.81	2.94	0.20	25.75	3.85	2.97	0.00
23.20	3.82	2.94	0.20	25.80	3.85	2.97	0.00
23.25	3.82	2.94	0.20	25.85	3.85	2.97	0.00
23.30	3.82	2.94	0.20	25.90	3.85	2.97	0.00
23.35	3.82	2.95	0.20	25.95	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	2.97	0.00	28.60	3.85	2.97	0.00
26.05	3.85	2.97	0.00	28.65	3.85	2.97	0.00
26.10	3.85	2.97	0.00	28.70	3.85	2.97	0.00
26.15	3.85	2.97	0.00	28.75	3.85	2.97	0.00
26.20	3.85	2.97	0.00	28.80	3.85	2.97	0.00
26.25	3.85	2.97	0.00	28.85	3.85	2.97	0.00
26.30	3.85	2.97	0.00	28.90	3.85	2.97	0.00
26.35	3.85	2.97	0.00	28.95	3.85	2.97	0.00
26.40	3.85	2.97	0.00	29.00	3.85	2.97	0.00
26.45	3.85	2.97	0.00	29.05	3.85	2.97	0.00
26.50	3.85	2.97	0.00	29.10	3.85	2.97	0.00
26.55	3.85	2.97	0.00	29.15	3.85	2.97	0.00
26.60	3.85	2.97	0.00	29.20	3.85	2.97	0.00
26.65	3.85	2.97	0.00	29.25	3.85	2.97	0.00
26.70	3.85	2.97	0.00	29.30	3.85	2.97	0.00
26.75	3.85	2.97	0.00	29.35	3.85	2.97	0.00
26.80	3.85	2.97	0.00	29.40	3.85	2.97	0.00
26.85	3.85	2.97	0.00	29.45	3.85	2.97	0.00
26.90	3.85	2.97	0.00	29.50	3.85	2.97	0.00
26.95	3.85	2.97	0.00	29.55	3.85	2.97	0.00
27.00	3.85	2.97	0.00	29.60	3.85	2.97	0.00
27.05	3.85	2.97	0.00	29.65	3.85	2.97	0.00
27.10	3.85	2.97	0.00	29.70	3.85	2.97	0.00
27.15	3.85	2.97	0.00	29.75	3.85	2.97	0.00
27.20	3.85	2.97	0.00	29.80	3.85	2.97	0.00
27.25	3.85	2.97	0.00	29.85	3.85	2.97	0.00
27.30	3.85	2.97	0.00	29.90	3.85	2.97	0.00
27.35	3.85	2.97	0.00	29.95	3.85	2.97	0.00
27.40	3.85	2.97	0.00	30.00	3.85	2.97	0.00
27.45	3.85	2.97	0.00	30.05	3.85	2.97	0.00
27.50	3.85	2.97	0.00	30.10	3.85	2.97	0.00
27.55	3.85	2.97	0.00	30.15	3.85	2.97	0.00
27.60	3.85	2.97	0.00	30.20	3.85	2.97	0.00
27.65	3.85	2.97	0.00	30.25	3.85	2.97	0.00
27.70	3.85	2.97	0.00	30.30	3.85	2.97	0.00
27.75	3.85	2.97	0.00	30.35	3.85	2.97	0.00
27.80	3.85	2.97	0.00	30.40	3.85	2.97	0.00
27.85	3.85	2.97	0.00	30.45	3.85	2.97	0.00
27.90	3.85	2.97	0.00	30.50	3.85	2.97	0.00
27.95	3.85	2.97	0.00	30.55	3.85	2.97	0.00
28.00	3.85	2.97	0.00	30.60	3.85	2.97	0.00
28.05	3.85	2.97	0.00	30.65	3.85	2.97	0.00
28.10	3.85	2.97	0.00	30.70	3.85	2.97	0.00
28.15	3.85	2.97	0.00	30.75	3.85	2.97	0.00
28.20	3.85	2.97	0.00	30.80	3.85	2.97	0.00
28.25	3.85	2.97	0.00	30.85	3.85	2.97	0.00
28.30	3.85	2.97	0.00	30.90	3.85	2.97	0.00
28.35	3.85	2.97	0.00	30.95	3.85	2.97	0.00
28.40	3.85	2.97	0.00	31.00	3.85	2.97	0.00
28.45	3.85	2.97	0.00	31.05	3.85	2.97	0.00
28.50	3.85	2.97	0.00	31.10	3.85	2.97	0.00
28.55	3.85	2.97	0.00	31.15	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	2.97	0.00	33.80	3.85	2.97	0.00
31.25	3.85	2.97	0.00	33.85	3.85	2.97	0.00
31.30	3.85	2.97	0.00	33.90	3.85	2.97	0.00
31.35	3.85	2.97	0.00	33.95	3.85	2.97	0.00
31.40	3.85	2.97	0.00	34.00	3.85	2.97	0.00
31.45	3.85	2.97	0.00	34.05	3.85	2.97	0.00
31.50	3.85	2.97	0.00	34.10	3.85	2.97	0.00
31.55	3.85	2.97	0.00	34.15	3.85	2.97	0.00
31.60	3.85	2.97	0.00	34.20	3.85	2.97	0.00
31.65	3.85	2.97	0.00	34.25	3.85	2.97	0.00
31.70	3.85	2.97	0.00	34.30	3.85	2.97	0.00
31.75	3.85	2.97	0.00	34.35	3.85	2.97	0.00
31.80	3.85	2.97	0.00	34.40	3.85	2.97	0.00
31.85	3.85	2.97	0.00	34.45	3.85	2.97	0.00
31.90	3.85	2.97	0.00	34.50	3.85	2.97	0.00
31.95	3.85	2.97	0.00	34.55	3.85	2.97	0.00
32.00	3.85	2.97	0.00	34.60	3.85	2.97	0.00
32.05	3.85	2.97	0.00	34.65	3.85	2.97	0.00
32.10	3.85	2.97	0.00	34.70	3.85	2.97	0.00
32.15	3.85	2.97	0.00	34.75	3.85	2.97	0.00
32.20	3.85	2.97	0.00	34.80	3.85	2.97	0.00
32.25	3.85	2.97	0.00	34.85	3.85	2.97	0.00
32.30	3.85	2.97	0.00	34.90	3.85	2.97	0.00
32.35	3.85	2.97	0.00	34.95	3.85	2.97	0.00
32.40	3.85	2.97	0.00	35.00	3.85	2.97	0.00
32.45	3.85	2.97	0.00	35.05	3.85	2.97	0.00
32.50	3.85	2.97	0.00	35.10	3.85	2.97	0.00
32.55	3.85	2.97	0.00	35.15	3.85	2.97	0.00
32.60	3.85	2.97	0.00	35.20	3.85	2.97	0.00
32.65	3.85	2.97	0.00	35.25	3.85	2.97	0.00
32.70	3.85	2.97	0.00	35.30	3.85	2.97	0.00
32.75	3.85	2.97	0.00	35.35	3.85	2.97	0.00
32.80	3.85	2.97	0.00	35.40	3.85	2.97	0.00
32.85	3.85	2.97	0.00	35.45	3.85	2.97	0.00
32.90	3.85	2.97	0.00	35.50	3.85	2.97	0.00
32.95	3.85	2.97	0.00	35.55	3.85	2.97	0.00
33.00	3.85	2.97	0.00	35.60	3.85	2.97	0.00
33.05	3.85	2.97	0.00	35.65	3.85	2.97	0.00
33.10	3.85	2.97	0.00	35.70	3.85	2.97	0.00
33.15	3.85	2.97	0.00	35.75	3.85	2.97	0.00
33.20	3.85	2.97	0.00	35.80	3.85	2.97	0.00
33.25	3.85	2.97	0.00	35.85	3.85	2.97	0.00
33.30	3.85	2.97	0.00	35.90	3.85	2.97	0.00
33.35	3.85	2.97	0.00	35.95	3.85	2.97	0.00
33.40	3.85	2.97	0.00	36.00	3.85	2.97	0.00
33.45	3.85	2.97	0.00	36.05	3.85	2.97	0.00
33.50	3.85	2.97	0.00	36.10	3.85	2.97	0.00
33.55	3.85	2.97	0.00	36.15	3.85	2.97	0.00
33.60	3.85	2.97	0.00	36.20	3.85	2.97	0.00
33.65	3.85	2.97	0.00	36.25	3.85	2.97	0.00
33.70	3.85	2.97	0.00	36.30	3.85	2.97	0.00
33.75	3.85	2.97	0.00	36.35	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	2.97	0.00	39.00	3.85	2.97	0.00
36.45	3.85	2.97	0.00	39.05	3.85	2.97	0.00
36.50	3.85	2.97	0.00	39.10	3.85	2.97	0.00
36.55	3.85	2.97	0.00	39.15	3.85	2.97	0.00
36.60	3.85	2.97	0.00	39.20	3.85	2.97	0.00
36.65	3.85	2.97	0.00	39.25	3.85	2.97	0.00
36.70	3.85	2.97	0.00	39.30	3.85	2.97	0.00
36.75	3.85	2.97	0.00	39.35	3.85	2.97	0.00
36.80	3.85	2.97	0.00	39.40	3.85	2.97	0.00
36.85	3.85	2.97	0.00	39.45	3.85	2.97	0.00
36.90	3.85	2.97	0.00	39.50	3.85	2.97	0.00
36.95	3.85	2.97	0.00	39.55	3.85	2.97	0.00
37.00	3.85	2.97	0.00	39.60	3.85	2.97	0.00
37.05	3.85	2.97	0.00	39.65	3.85	2.97	0.00
37.10	3.85	2.97	0.00	39.70	3.85	2.97	0.00
37.15	3.85	2.97	0.00	39.75	3.85	2.97	0.00
37.20	3.85	2.97	0.00	39.80	3.85	2.97	0.00
37.25	3.85	2.97	0.00	39.85	3.85	2.97	0.00
37.30	3.85	2.97	0.00	39.90	3.85	2.97	0.00
37.35	3.85	2.97	0.00	39.95	3.85	2.97	0.00
37.40	3.85	2.97	0.00	40.00	3.85	2.97	0.00
37.45	3.85	2.97	0.00				
37.50	3.85	2.97	0.00				
37.55	3.85	2.97	0.00				
37.60	3.85	2.97	0.00				
37.65	3.85	2.97	0.00				
37.70	3.85	2.97	0.00				
37.75	3.85	2.97	0.00				
37.80	3.85	2.97	0.00				
37.85	3.85	2.97	0.00				
37.90	3.85	2.97	0.00				
37.95	3.85	2.97	0.00				
38.00	3.85	2.97	0.00				
38.05	3.85	2.97	0.00				
38.10	3.85	2.97	0.00				
38.15	3.85	2.97	0.00				
38.20	3.85	2.97	0.00				
38.25	3.85	2.97	0.00				
38.30	3.85	2.97	0.00				
38.35	3.85	2.97	0.00				
38.40	3.85	2.97	0.00				
38.45	3.85	2.97	0.00				
38.50	3.85	2.97	0.00				
38.55	3.85	2.97	0.00				
38.60	3.85	2.97	0.00				
38.65	3.85	2.97	0.00				
38.70	3.85	2.97	0.00				
38.75	3.85	2.97	0.00				
38.80	3.85	2.97	0.00				
38.85	3.85	2.97	0.00				
38.90	3.85	2.97	0.00				
38.95	3.85	2.97	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

Runoff = 65.74 cfs @ 12.17 hrs, Volume= 5.134 af, Depth= 1.00"
 Routed to Link XDA-1 : Existing Drainage Area #1

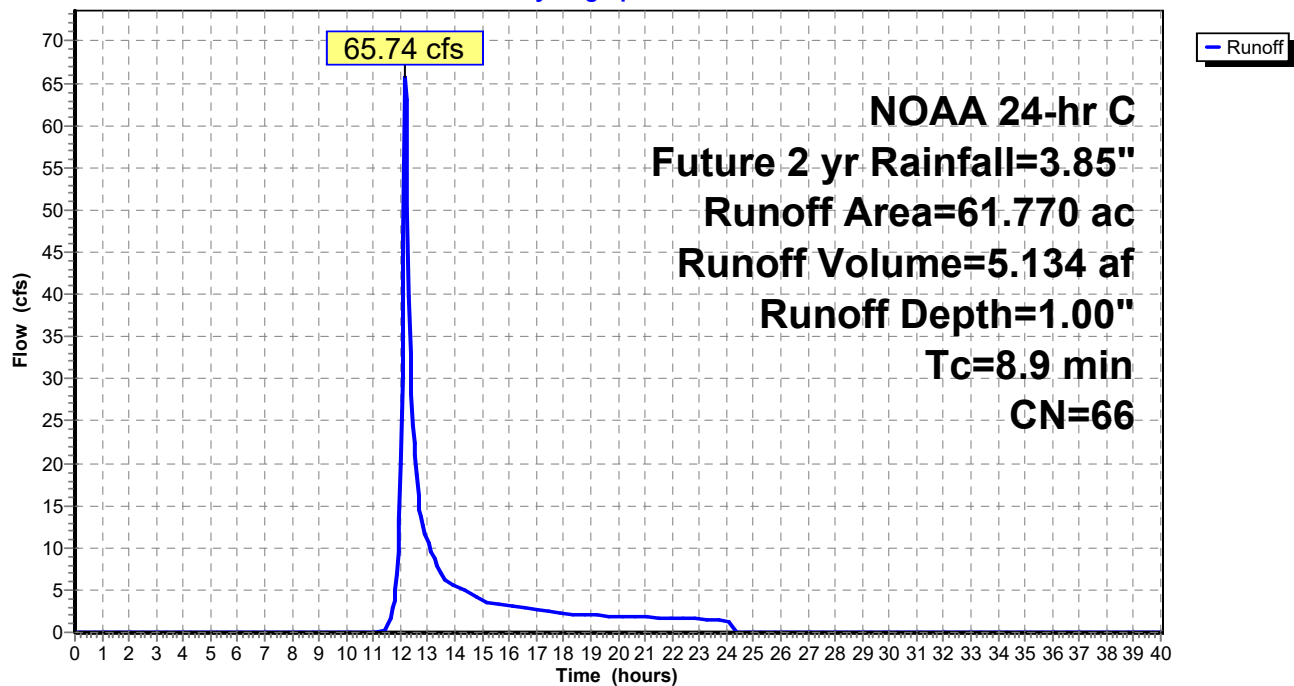
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.51	10.91
10.45	0.78	0.00	0.00	13.05	2.94	0.52	10.39
10.50	0.79	0.00	0.00	13.10	2.96	0.52	9.85
10.55	0.80	0.00	0.00	13.15	2.97	0.53	9.34
10.60	0.82	0.00	0.00	13.20	2.98	0.54	8.92
10.65	0.83	0.00	0.00	13.25	3.00	0.54	8.58
10.70	0.84	0.00	0.00	13.30	3.01	0.55	8.27
10.75	0.85	0.00	0.00	13.35	3.02	0.56	7.97
10.80	0.87	0.00	0.00	13.40	3.03	0.56	7.67
10.85	0.88	0.00	0.00	13.45	3.05	0.57	7.37
10.90	0.89	0.00	0.00	13.50	3.06	0.57	7.06
10.95	0.91	0.00	0.00	13.55	3.07	0.58	6.76
11.00	0.92	0.00	0.00	13.60	3.08	0.58	6.44
11.05	0.94	0.00	0.00	13.65	3.09	0.59	6.16
11.10	0.96	0.00	0.00	13.70	3.09	0.59	5.97
11.15	0.98	0.00	0.00	13.75	3.10	0.60	5.84
11.20	1.00	0.00	0.00	13.80	3.11	0.60	5.74
11.25	1.02	0.00	0.00	13.85	3.12	0.60	5.66
11.30	1.04	0.00	0.00	13.90	3.13	0.61	5.59
11.35	1.06	0.00	0.01	13.95	3.14	0.61	5.52
11.40	1.09	0.00	0.09	14.00	3.15	0.62	5.44
11.45	1.11	0.00	0.26	14.05	3.16	0.62	5.36
11.50	1.14	0.00	0.49	14.10	3.16	0.63	5.28
11.55	1.18	0.00	0.81	14.15	3.17	0.63	5.20
11.60	1.22	0.01	1.34	14.20	3.18	0.63	5.13
11.65	1.26	0.01	2.06	14.25	3.19	0.64	5.05
11.70	1.30	0.01	2.83	14.30	3.20	0.64	4.97
11.75	1.35	0.02	3.70	14.35	3.20	0.64	4.89
11.80	1.41	0.03	5.02	14.40	3.21	0.65	4.81
11.85	1.49	0.04	6.84	14.45	3.22	0.65	4.73
11.90	1.57	0.05	9.46	14.50	3.23	0.66	4.65
11.95	1.70	0.08	13.24	14.55	3.23	0.66	4.57
12.00	1.83	0.11	20.00	14.60	3.24	0.66	4.49
12.05	2.06	0.17	30.22	14.65	3.25	0.67	4.40
12.10	2.28	0.25	46.76	14.70	3.25	0.67	4.31
12.15	2.36	0.27	63.88	14.75	3.26	0.67	4.23
12.20	2.44	0.30	63.07	14.80	3.26	0.68	4.15
12.25	2.50	0.32	50.22	14.85	3.27	0.68	4.07
12.30	2.55	0.35	39.78	14.90	3.28	0.68	3.98
12.35	2.59	0.36	33.06	14.95	3.28	0.68	3.89
12.40	2.63	0.38	28.10	15.00	3.29	0.69	3.80
12.45	2.67	0.40	24.42	15.05	3.29	0.69	3.72
12.50	2.71	0.41	22.35	15.10	3.30	0.69	3.63
12.55	2.74	0.42	21.04	15.15	3.30	0.70	3.55
12.60	2.76	0.44	18.76	15.20	3.31	0.70	3.50
12.65	2.79	0.45	16.17	15.25	3.31	0.70	3.46
12.70	2.81	0.46	14.54	15.30	3.32	0.70	3.43
12.75	2.83	0.47	13.66	15.35	3.32	0.71	3.41
12.80	2.85	0.48	13.01	15.40	3.33	0.71	3.39
12.85	2.87	0.49	12.47	15.45	3.34	0.71	3.37
12.90	2.89	0.49	11.94	15.50	3.34	0.72	3.35
12.95	2.91	0.50	11.43	15.55	3.35	0.72	3.33

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.72	3.31	18.20	3.56	0.83	2.12
15.65	3.36	0.72	3.29	18.25	3.56	0.83	2.12
15.70	3.36	0.73	3.27	18.30	3.56	0.83	2.11
15.75	3.36	0.73	3.24	18.35	3.57	0.84	2.10
15.80	3.37	0.73	3.22	18.40	3.57	0.84	2.10
15.85	3.37	0.73	3.20	18.45	3.57	0.84	2.09
15.90	3.38	0.74	3.18	18.50	3.58	0.84	2.09
15.95	3.38	0.74	3.16	18.55	3.58	0.84	2.08
16.00	3.39	0.74	3.14	18.60	3.58	0.84	2.08
16.05	3.39	0.74	3.12	18.65	3.58	0.85	2.07
16.10	3.40	0.75	3.09	18.70	3.59	0.85	2.07
16.15	3.40	0.75	3.08	18.75	3.59	0.85	2.06
16.20	3.41	0.75	3.06	18.80	3.59	0.85	2.05
16.25	3.41	0.75	3.03	18.85	3.60	0.85	2.05
16.30	3.42	0.76	3.01	18.90	3.60	0.85	2.04
16.35	3.42	0.76	2.98	18.95	3.60	0.86	2.04
16.40	3.42	0.76	2.96	19.00	3.61	0.86	2.03
16.45	3.43	0.76	2.94	19.05	3.61	0.86	2.03
16.50	3.43	0.76	2.92	19.10	3.61	0.86	2.02
16.55	3.44	0.77	2.89	19.15	3.61	0.86	2.02
16.60	3.44	0.77	2.87	19.20	3.62	0.86	2.01
16.65	3.45	0.77	2.85	19.25	3.62	0.87	2.01
16.70	3.45	0.77	2.83	19.30	3.62	0.87	2.00
16.75	3.45	0.78	2.81	19.35	3.63	0.87	1.99
16.80	3.46	0.78	2.78	19.40	3.63	0.87	1.99
16.85	3.46	0.78	2.76	19.45	3.63	0.87	1.98
16.90	3.47	0.78	2.73	19.50	3.63	0.87	1.98
16.95	3.47	0.78	2.71	19.55	3.64	0.88	1.97
17.00	3.47	0.79	2.69	19.60	3.64	0.88	1.97
17.05	3.48	0.79	2.67	19.65	3.64	0.88	1.96
17.10	3.48	0.79	2.65	19.70	3.65	0.88	1.96
17.15	3.49	0.79	2.62	19.75	3.65	0.88	1.95
17.20	3.49	0.79	2.60	19.80	3.65	0.88	1.95
17.25	3.49	0.80	2.57	19.85	3.65	0.88	1.95
17.30	3.50	0.80	2.55	19.90	3.66	0.89	1.94
17.35	3.50	0.80	2.52	19.95	3.66	0.89	1.93
17.40	3.50	0.80	2.50	20.00	3.66	0.89	1.92
17.45	3.51	0.80	2.48	20.05	3.66	0.89	1.92
17.50	3.51	0.81	2.45	20.10	3.67	0.89	1.91
17.55	3.52	0.81	2.43	20.15	3.67	0.89	1.91
17.60	3.52	0.81	2.41	20.20	3.67	0.90	1.90
17.65	3.52	0.81	2.38	20.25	3.68	0.90	1.89
17.70	3.53	0.81	2.36	20.30	3.68	0.90	1.89
17.75	3.53	0.82	2.33	20.35	3.68	0.90	1.88
17.80	3.53	0.82	2.31	20.40	3.68	0.90	1.88
17.85	3.54	0.82	2.29	20.45	3.69	0.90	1.87
17.90	3.54	0.82	2.26	20.50	3.69	0.90	1.87
17.95	3.54	0.82	2.24	20.55	3.69	0.91	1.86
18.00	3.54	0.82	2.21	20.60	3.69	0.91	1.86
18.05	3.55	0.83	2.19	20.65	3.70	0.91	1.86
18.10	3.55	0.83	2.16	20.70	3.70	0.91	1.85
18.15	3.55	0.83	2.14	20.75	3.70	0.91	1.84

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.91	1.83	23.40	3.82	0.98	1.52
20.85	3.71	0.91	1.82	23.45	3.83	0.98	1.51
20.90	3.71	0.92	1.82	23.50	3.83	0.99	1.51
20.95	3.71	0.92	1.81	23.55	3.83	0.99	1.50
21.00	3.71	0.92	1.81	23.60	3.83	0.99	1.49
21.05	3.72	0.92	1.80	23.65	3.84	0.99	1.48
21.10	3.72	0.92	1.79	23.70	3.84	0.99	1.48
21.15	3.72	0.92	1.79	23.75	3.84	0.99	1.48
21.20	3.72	0.93	1.78	23.80	3.84	0.99	1.47
21.25	3.73	0.93	1.78	23.85	3.84	0.99	1.46
21.30	3.73	0.93	1.77	23.90	3.85	0.99	1.45
21.35	3.73	0.93	1.77	23.95	3.85	1.00	1.46
21.40	3.73	0.93	1.77	24.00	3.85	1.00	1.55
21.45	3.74	0.93	1.76	24.05	3.85	1.00	1.57
21.50	3.74	0.93	1.75	24.10	3.85	1.00	1.18
21.55	3.74	0.93	1.74	24.15	3.85	1.00	0.60
21.60	3.74	0.94	1.74	24.20	3.85	1.00	0.26
21.65	3.75	0.94	1.73	24.25	3.85	1.00	0.11
21.70	3.75	0.94	1.72	24.30	3.85	1.00	0.05
21.75	3.75	0.94	1.72	24.35	3.85	1.00	0.02
21.80	3.75	0.94	1.72	24.40	3.85	1.00	0.01
21.85	3.76	0.94	1.71	24.45	3.85	1.00	0.00
21.90	3.76	0.94	1.71	24.50	3.85	1.00	0.00
21.95	3.76	0.95	1.70	24.55	3.85	1.00	0.00
22.00	3.76	0.95	1.69	24.60	3.85	1.00	0.00
22.05	3.77	0.95	1.68	24.65	3.85	1.00	0.00
22.10	3.77	0.95	1.67	24.70	3.85	1.00	0.00
22.15	3.77	0.95	1.67	24.75	3.85	1.00	0.00
22.20	3.77	0.95	1.67	24.80	3.85	1.00	0.00
22.25	3.77	0.95	1.66	24.85	3.85	1.00	0.00
22.30	3.78	0.96	1.66	24.90	3.85	1.00	0.00
22.35	3.78	0.96	1.65	24.95	3.85	1.00	0.00
22.40	3.78	0.96	1.64	25.00	3.85	1.00	0.00
22.45	3.78	0.96	1.63	25.05	3.85	1.00	0.00
22.50	3.79	0.96	1.63	25.10	3.85	1.00	0.00
22.55	3.79	0.96	1.62	25.15	3.85	1.00	0.00
22.60	3.79	0.96	1.62	25.20	3.85	1.00	0.00
22.65	3.79	0.96	1.61	25.25	3.85	1.00	0.00
22.70	3.79	0.97	1.61	25.30	3.85	1.00	0.00
22.75	3.80	0.97	1.60	25.35	3.85	1.00	0.00
22.80	3.80	0.97	1.59	25.40	3.85	1.00	0.00
22.85	3.80	0.97	1.58	25.45	3.85	1.00	0.00
22.90	3.80	0.97	1.58	25.50	3.85	1.00	0.00
22.95	3.81	0.97	1.57	25.55	3.85	1.00	0.00
23.00	3.81	0.97	1.57	25.60	3.85	1.00	0.00
23.05	3.81	0.97	1.56	25.65	3.85	1.00	0.00
23.10	3.81	0.98	1.56	25.70	3.85	1.00	0.00
23.15	3.81	0.98	1.55	25.75	3.85	1.00	0.00
23.20	3.82	0.98	1.54	25.80	3.85	1.00	0.00
23.25	3.82	0.98	1.53	25.85	3.85	1.00	0.00
23.30	3.82	0.98	1.52	25.90	3.85	1.00	0.00
23.35	3.82	0.98	1.52	25.95	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.00	0.00	28.60	3.85	1.00	0.00
26.05	3.85	1.00	0.00	28.65	3.85	1.00	0.00
26.10	3.85	1.00	0.00	28.70	3.85	1.00	0.00
26.15	3.85	1.00	0.00	28.75	3.85	1.00	0.00
26.20	3.85	1.00	0.00	28.80	3.85	1.00	0.00
26.25	3.85	1.00	0.00	28.85	3.85	1.00	0.00
26.30	3.85	1.00	0.00	28.90	3.85	1.00	0.00
26.35	3.85	1.00	0.00	28.95	3.85	1.00	0.00
26.40	3.85	1.00	0.00	29.00	3.85	1.00	0.00
26.45	3.85	1.00	0.00	29.05	3.85	1.00	0.00
26.50	3.85	1.00	0.00	29.10	3.85	1.00	0.00
26.55	3.85	1.00	0.00	29.15	3.85	1.00	0.00
26.60	3.85	1.00	0.00	29.20	3.85	1.00	0.00
26.65	3.85	1.00	0.00	29.25	3.85	1.00	0.00
26.70	3.85	1.00	0.00	29.30	3.85	1.00	0.00
26.75	3.85	1.00	0.00	29.35	3.85	1.00	0.00
26.80	3.85	1.00	0.00	29.40	3.85	1.00	0.00
26.85	3.85	1.00	0.00	29.45	3.85	1.00	0.00
26.90	3.85	1.00	0.00	29.50	3.85	1.00	0.00
26.95	3.85	1.00	0.00	29.55	3.85	1.00	0.00
27.00	3.85	1.00	0.00	29.60	3.85	1.00	0.00
27.05	3.85	1.00	0.00	29.65	3.85	1.00	0.00
27.10	3.85	1.00	0.00	29.70	3.85	1.00	0.00
27.15	3.85	1.00	0.00	29.75	3.85	1.00	0.00
27.20	3.85	1.00	0.00	29.80	3.85	1.00	0.00
27.25	3.85	1.00	0.00	29.85	3.85	1.00	0.00
27.30	3.85	1.00	0.00	29.90	3.85	1.00	0.00
27.35	3.85	1.00	0.00	29.95	3.85	1.00	0.00
27.40	3.85	1.00	0.00	30.00	3.85	1.00	0.00
27.45	3.85	1.00	0.00	30.05	3.85	1.00	0.00
27.50	3.85	1.00	0.00	30.10	3.85	1.00	0.00
27.55	3.85	1.00	0.00	30.15	3.85	1.00	0.00
27.60	3.85	1.00	0.00	30.20	3.85	1.00	0.00
27.65	3.85	1.00	0.00	30.25	3.85	1.00	0.00
27.70	3.85	1.00	0.00	30.30	3.85	1.00	0.00
27.75	3.85	1.00	0.00	30.35	3.85	1.00	0.00
27.80	3.85	1.00	0.00	30.40	3.85	1.00	0.00
27.85	3.85	1.00	0.00	30.45	3.85	1.00	0.00
27.90	3.85	1.00	0.00	30.50	3.85	1.00	0.00
27.95	3.85	1.00	0.00	30.55	3.85	1.00	0.00
28.00	3.85	1.00	0.00	30.60	3.85	1.00	0.00
28.05	3.85	1.00	0.00	30.65	3.85	1.00	0.00
28.10	3.85	1.00	0.00	30.70	3.85	1.00	0.00
28.15	3.85	1.00	0.00	30.75	3.85	1.00	0.00
28.20	3.85	1.00	0.00	30.80	3.85	1.00	0.00
28.25	3.85	1.00	0.00	30.85	3.85	1.00	0.00
28.30	3.85	1.00	0.00	30.90	3.85	1.00	0.00
28.35	3.85	1.00	0.00	30.95	3.85	1.00	0.00
28.40	3.85	1.00	0.00	31.00	3.85	1.00	0.00
28.45	3.85	1.00	0.00	31.05	3.85	1.00	0.00
28.50	3.85	1.00	0.00	31.10	3.85	1.00	0.00
28.55	3.85	1.00	0.00	31.15	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.00	0.00	33.80	3.85	1.00	0.00
31.25	3.85	1.00	0.00	33.85	3.85	1.00	0.00
31.30	3.85	1.00	0.00	33.90	3.85	1.00	0.00
31.35	3.85	1.00	0.00	33.95	3.85	1.00	0.00
31.40	3.85	1.00	0.00	34.00	3.85	1.00	0.00
31.45	3.85	1.00	0.00	34.05	3.85	1.00	0.00
31.50	3.85	1.00	0.00	34.10	3.85	1.00	0.00
31.55	3.85	1.00	0.00	34.15	3.85	1.00	0.00
31.60	3.85	1.00	0.00	34.20	3.85	1.00	0.00
31.65	3.85	1.00	0.00	34.25	3.85	1.00	0.00
31.70	3.85	1.00	0.00	34.30	3.85	1.00	0.00
31.75	3.85	1.00	0.00	34.35	3.85	1.00	0.00
31.80	3.85	1.00	0.00	34.40	3.85	1.00	0.00
31.85	3.85	1.00	0.00	34.45	3.85	1.00	0.00
31.90	3.85	1.00	0.00	34.50	3.85	1.00	0.00
31.95	3.85	1.00	0.00	34.55	3.85	1.00	0.00
32.00	3.85	1.00	0.00	34.60	3.85	1.00	0.00
32.05	3.85	1.00	0.00	34.65	3.85	1.00	0.00
32.10	3.85	1.00	0.00	34.70	3.85	1.00	0.00
32.15	3.85	1.00	0.00	34.75	3.85	1.00	0.00
32.20	3.85	1.00	0.00	34.80	3.85	1.00	0.00
32.25	3.85	1.00	0.00	34.85	3.85	1.00	0.00
32.30	3.85	1.00	0.00	34.90	3.85	1.00	0.00
32.35	3.85	1.00	0.00	34.95	3.85	1.00	0.00
32.40	3.85	1.00	0.00	35.00	3.85	1.00	0.00
32.45	3.85	1.00	0.00	35.05	3.85	1.00	0.00
32.50	3.85	1.00	0.00	35.10	3.85	1.00	0.00
32.55	3.85	1.00	0.00	35.15	3.85	1.00	0.00
32.60	3.85	1.00	0.00	35.20	3.85	1.00	0.00
32.65	3.85	1.00	0.00	35.25	3.85	1.00	0.00
32.70	3.85	1.00	0.00	35.30	3.85	1.00	0.00
32.75	3.85	1.00	0.00	35.35	3.85	1.00	0.00
32.80	3.85	1.00	0.00	35.40	3.85	1.00	0.00
32.85	3.85	1.00	0.00	35.45	3.85	1.00	0.00
32.90	3.85	1.00	0.00	35.50	3.85	1.00	0.00
32.95	3.85	1.00	0.00	35.55	3.85	1.00	0.00
33.00	3.85	1.00	0.00	35.60	3.85	1.00	0.00
33.05	3.85	1.00	0.00	35.65	3.85	1.00	0.00
33.10	3.85	1.00	0.00	35.70	3.85	1.00	0.00
33.15	3.85	1.00	0.00	35.75	3.85	1.00	0.00
33.20	3.85	1.00	0.00	35.80	3.85	1.00	0.00
33.25	3.85	1.00	0.00	35.85	3.85	1.00	0.00
33.30	3.85	1.00	0.00	35.90	3.85	1.00	0.00
33.35	3.85	1.00	0.00	35.95	3.85	1.00	0.00
33.40	3.85	1.00	0.00	36.00	3.85	1.00	0.00
33.45	3.85	1.00	0.00	36.05	3.85	1.00	0.00
33.50	3.85	1.00	0.00	36.10	3.85	1.00	0.00
33.55	3.85	1.00	0.00	36.15	3.85	1.00	0.00
33.60	3.85	1.00	0.00	36.20	3.85	1.00	0.00
33.65	3.85	1.00	0.00	36.25	3.85	1.00	0.00
33.70	3.85	1.00	0.00	36.30	3.85	1.00	0.00
33.75	3.85	1.00	0.00	36.35	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.00	0.00	39.00	3.85	1.00	0.00
36.45	3.85	1.00	0.00	39.05	3.85	1.00	0.00
36.50	3.85	1.00	0.00	39.10	3.85	1.00	0.00
36.55	3.85	1.00	0.00	39.15	3.85	1.00	0.00
36.60	3.85	1.00	0.00	39.20	3.85	1.00	0.00
36.65	3.85	1.00	0.00	39.25	3.85	1.00	0.00
36.70	3.85	1.00	0.00	39.30	3.85	1.00	0.00
36.75	3.85	1.00	0.00	39.35	3.85	1.00	0.00
36.80	3.85	1.00	0.00	39.40	3.85	1.00	0.00
36.85	3.85	1.00	0.00	39.45	3.85	1.00	0.00
36.90	3.85	1.00	0.00	39.50	3.85	1.00	0.00
36.95	3.85	1.00	0.00	39.55	3.85	1.00	0.00
37.00	3.85	1.00	0.00	39.60	3.85	1.00	0.00
37.05	3.85	1.00	0.00	39.65	3.85	1.00	0.00
37.10	3.85	1.00	0.00	39.70	3.85	1.00	0.00
37.15	3.85	1.00	0.00	39.75	3.85	1.00	0.00
37.20	3.85	1.00	0.00	39.80	3.85	1.00	0.00
37.25	3.85	1.00	0.00	39.85	3.85	1.00	0.00
37.30	3.85	1.00	0.00	39.90	3.85	1.00	0.00
37.35	3.85	1.00	0.00	39.95	3.85	1.00	0.00
37.40	3.85	1.00	0.00	40.00	3.85	1.00	0.00
37.45	3.85	1.00	0.00				
37.50	3.85	1.00	0.00				
37.55	3.85	1.00	0.00				
37.60	3.85	1.00	0.00				
37.65	3.85	1.00	0.00				
37.70	3.85	1.00	0.00				
37.75	3.85	1.00	0.00				
37.80	3.85	1.00	0.00				
37.85	3.85	1.00	0.00				
37.90	3.85	1.00	0.00				
37.95	3.85	1.00	0.00				
38.00	3.85	1.00	0.00				
38.05	3.85	1.00	0.00				
38.10	3.85	1.00	0.00				
38.15	3.85	1.00	0.00				
38.20	3.85	1.00	0.00				
38.25	3.85	1.00	0.00				
38.30	3.85	1.00	0.00				
38.35	3.85	1.00	0.00				
38.40	3.85	1.00	0.00				
38.45	3.85	1.00	0.00				
38.50	3.85	1.00	0.00				
38.55	3.85	1.00	0.00				
38.60	3.85	1.00	0.00				
38.65	3.85	1.00	0.00				
38.70	3.85	1.00	0.00				
38.75	3.85	1.00	0.00				
38.80	3.85	1.00	0.00				
38.85	3.85	1.00	0.00				
38.90	3.85	1.00	0.00				
38.95	3.85	1.00	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 28.36 cfs @ 12.17 hrs, Volume= 2.186 af, Depth= 1.05"
Routed to Link XDA-10 : XDA-10

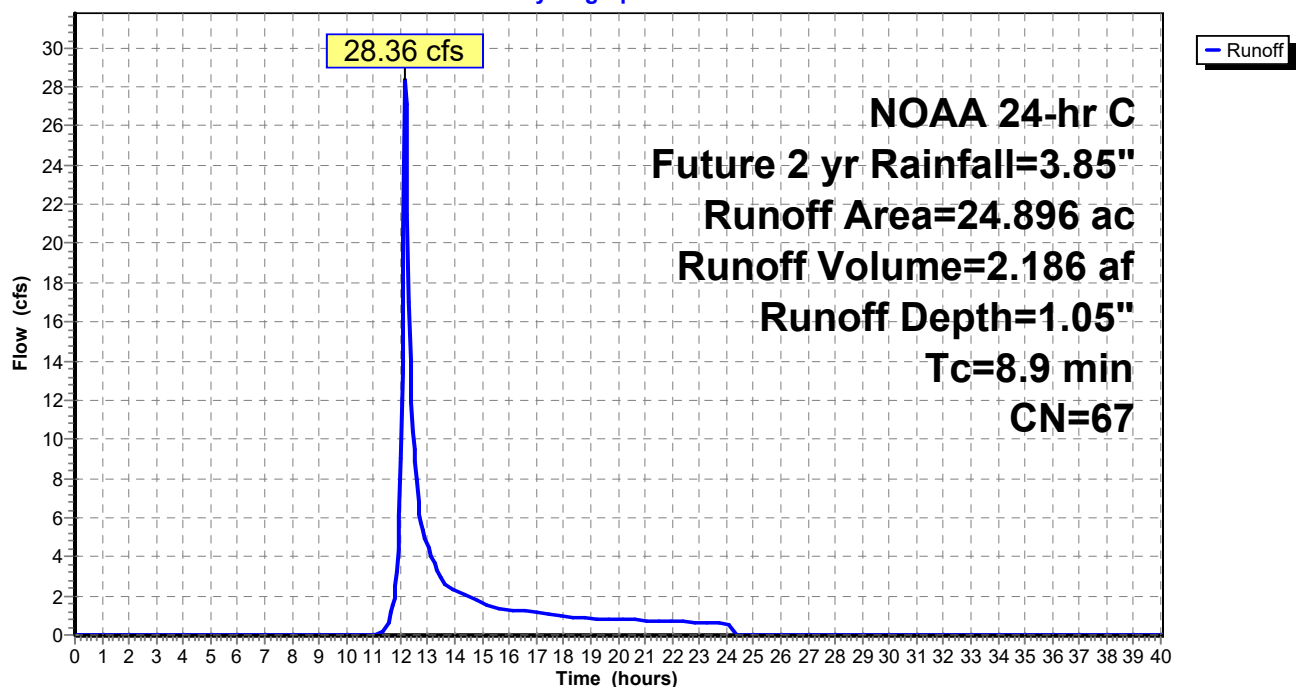
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.55	4.59
10.45	0.78	0.00	0.00	13.05	2.94	0.56	4.37
10.50	0.79	0.00	0.00	13.10	2.96	0.56	4.14
10.55	0.80	0.00	0.00	13.15	2.97	0.57	3.92
10.60	0.82	0.00	0.00	13.20	2.98	0.58	3.75
10.65	0.83	0.00	0.00	13.25	3.00	0.58	3.60
10.70	0.84	0.00	0.00	13.30	3.01	0.59	3.47
10.75	0.85	0.00	0.00	13.35	3.02	0.60	3.35
10.80	0.87	0.00	0.00	13.40	3.03	0.60	3.22
10.85	0.88	0.00	0.00	13.45	3.05	0.61	3.09
10.90	0.89	0.00	0.00	13.50	3.06	0.61	2.96
10.95	0.91	0.00	0.00	13.55	3.07	0.62	2.83
11.00	0.92	0.00	0.00	13.60	3.08	0.62	2.70
11.05	0.94	0.00	0.00	13.65	3.09	0.63	2.58
11.10	0.96	0.00	0.00	13.70	3.09	0.63	2.50
11.15	0.98	0.00	0.00	13.75	3.10	0.64	2.45
11.20	1.00	0.00	0.00	13.80	3.11	0.64	2.41
11.25	1.02	0.00	0.01	13.85	3.12	0.65	2.37
11.30	1.04	0.00	0.04	13.90	3.13	0.65	2.34
11.35	1.06	0.00	0.10	13.95	3.14	0.66	2.31
11.40	1.09	0.00	0.19	14.00	3.15	0.66	2.28
11.45	1.11	0.00	0.29	14.05	3.16	0.66	2.25
11.50	1.14	0.00	0.41	14.10	3.16	0.67	2.21
11.55	1.18	0.01	0.56	14.15	3.17	0.67	2.18
11.60	1.22	0.01	0.81	14.20	3.18	0.68	2.15
11.65	1.26	0.01	1.15	14.25	3.19	0.68	2.12
11.70	1.30	0.02	1.50	14.30	3.20	0.68	2.08
11.75	1.35	0.03	1.88	14.35	3.20	0.69	2.05
11.80	1.41	0.03	2.46	14.40	3.21	0.69	2.01
11.85	1.49	0.05	3.27	14.45	3.22	0.70	1.98
11.90	1.57	0.06	4.42	14.50	3.23	0.70	1.94
11.95	1.70	0.09	6.07	14.55	3.23	0.70	1.91
12.00	1.83	0.13	9.00	14.60	3.24	0.71	1.88
12.05	2.06	0.19	13.39	14.65	3.25	0.71	1.84
12.10	2.28	0.27	20.44	14.70	3.25	0.71	1.80
12.15	2.36	0.30	27.64	14.75	3.26	0.72	1.77
12.20	2.44	0.33	27.12	14.80	3.26	0.72	1.73
12.25	2.50	0.35	21.50	14.85	3.27	0.72	1.70
12.30	2.55	0.38	16.97	14.90	3.28	0.73	1.66
12.35	2.59	0.40	14.06	14.95	3.28	0.73	1.63
12.40	2.63	0.41	11.93	15.00	3.29	0.73	1.59
12.45	2.67	0.43	10.35	15.05	3.29	0.74	1.55
12.50	2.71	0.45	9.46	15.10	3.30	0.74	1.52
12.55	2.74	0.46	8.89	15.15	3.30	0.74	1.49
12.60	2.76	0.47	7.92	15.20	3.31	0.75	1.46
12.65	2.79	0.48	6.82	15.25	3.31	0.75	1.45
12.70	2.81	0.49	6.13	15.30	3.32	0.75	1.43
12.75	2.83	0.50	5.76	15.35	3.32	0.75	1.42
12.80	2.85	0.51	5.48	15.40	3.33	0.76	1.42
12.85	2.87	0.52	5.25	15.45	3.34	0.76	1.41
12.90	2.89	0.53	5.03	15.50	3.34	0.76	1.40
12.95	2.91	0.54	4.81	15.55	3.35	0.76	1.39

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.77	1.38	18.20	3.56	0.88	0.89
15.65	3.36	0.77	1.37	18.25	3.56	0.88	0.88
15.70	3.36	0.77	1.36	18.30	3.56	0.89	0.88
15.75	3.36	0.78	1.35	18.35	3.57	0.89	0.88
15.80	3.37	0.78	1.34	18.40	3.57	0.89	0.87
15.85	3.37	0.78	1.34	18.45	3.57	0.89	0.87
15.90	3.38	0.78	1.33	18.50	3.58	0.89	0.87
15.95	3.38	0.79	1.32	18.55	3.58	0.89	0.87
16.00	3.39	0.79	1.31	18.60	3.58	0.90	0.86
16.05	3.39	0.79	1.30	18.65	3.58	0.90	0.86
16.10	3.40	0.79	1.29	18.70	3.59	0.90	0.86
16.15	3.40	0.80	1.28	18.75	3.59	0.90	0.86
16.20	3.41	0.80	1.28	18.80	3.59	0.90	0.86
16.25	3.41	0.80	1.27	18.85	3.60	0.90	0.85
16.30	3.42	0.80	1.26	18.90	3.60	0.91	0.85
16.35	3.42	0.81	1.25	18.95	3.60	0.91	0.85
16.40	3.42	0.81	1.24	19.00	3.61	0.91	0.85
16.45	3.43	0.81	1.23	19.05	3.61	0.91	0.84
16.50	3.43	0.81	1.22	19.10	3.61	0.91	0.84
16.55	3.44	0.82	1.21	19.15	3.61	0.91	0.84
16.60	3.44	0.82	1.20	19.20	3.62	0.92	0.84
16.65	3.45	0.82	1.19	19.25	3.62	0.92	0.84
16.70	3.45	0.82	1.18	19.30	3.62	0.92	0.83
16.75	3.45	0.82	1.17	19.35	3.63	0.92	0.83
16.80	3.46	0.83	1.16	19.40	3.63	0.92	0.83
16.85	3.46	0.83	1.15	19.45	3.63	0.92	0.83
16.90	3.47	0.83	1.14	19.50	3.63	0.93	0.82
16.95	3.47	0.83	1.13	19.55	3.64	0.93	0.82
17.00	3.47	0.84	1.12	19.60	3.64	0.93	0.82
17.05	3.48	0.84	1.11	19.65	3.64	0.93	0.82
17.10	3.48	0.84	1.10	19.70	3.65	0.93	0.81
17.15	3.49	0.84	1.09	19.75	3.65	0.93	0.81
17.20	3.49	0.84	1.08	19.80	3.65	0.94	0.81
17.25	3.49	0.85	1.07	19.85	3.65	0.94	0.81
17.30	3.50	0.85	1.06	19.90	3.66	0.94	0.81
17.35	3.50	0.85	1.05	19.95	3.66	0.94	0.80
17.40	3.50	0.85	1.04	20.00	3.66	0.94	0.80
17.45	3.51	0.85	1.03	20.05	3.66	0.94	0.80
17.50	3.51	0.86	1.02	20.10	3.67	0.95	0.80
17.55	3.52	0.86	1.01	20.15	3.67	0.95	0.79
17.60	3.52	0.86	1.00	20.20	3.67	0.95	0.79
17.65	3.52	0.86	0.99	20.25	3.68	0.95	0.79
17.70	3.53	0.86	0.98	20.30	3.68	0.95	0.79
17.75	3.53	0.87	0.97	20.35	3.68	0.95	0.78
17.80	3.53	0.87	0.96	20.40	3.68	0.95	0.78
17.85	3.54	0.87	0.95	20.45	3.69	0.96	0.78
17.90	3.54	0.87	0.94	20.50	3.69	0.96	0.78
17.95	3.54	0.87	0.93	20.55	3.69	0.96	0.77
18.00	3.54	0.88	0.92	20.60	3.69	0.96	0.77
18.05	3.55	0.88	0.91	20.65	3.70	0.96	0.77
18.10	3.55	0.88	0.90	20.70	3.70	0.96	0.77
18.15	3.55	0.88	0.89	20.75	3.70	0.97	0.77

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.97	0.76	23.40	3.82	1.04	0.63
20.85	3.71	0.97	0.76	23.45	3.83	1.04	0.63
20.90	3.71	0.97	0.76	23.50	3.83	1.04	0.63
20.95	3.71	0.97	0.75	23.55	3.83	1.04	0.62
21.00	3.71	0.97	0.75	23.60	3.83	1.04	0.62
21.05	3.72	0.97	0.75	23.65	3.84	1.04	0.62
21.10	3.72	0.98	0.75	23.70	3.84	1.05	0.61
21.15	3.72	0.98	0.74	23.75	3.84	1.05	0.61
21.20	3.72	0.98	0.74	23.80	3.84	1.05	0.61
21.25	3.73	0.98	0.74	23.85	3.84	1.05	0.61
21.30	3.73	0.98	0.74	23.90	3.85	1.05	0.60
21.35	3.73	0.98	0.74	23.95	3.85	1.05	0.61
21.40	3.73	0.98	0.73	24.00	3.85	1.05	0.64
21.45	3.74	0.99	0.73	24.05	3.85	1.05	0.65
21.50	3.74	0.99	0.73	24.10	3.85	1.05	0.49
21.55	3.74	0.99	0.72	24.15	3.85	1.05	0.25
21.60	3.74	0.99	0.72	24.20	3.85	1.05	0.11
21.65	3.75	0.99	0.72	24.25	3.85	1.05	0.05
21.70	3.75	0.99	0.72	24.30	3.85	1.05	0.02
21.75	3.75	0.99	0.71	24.35	3.85	1.05	0.01
21.80	3.75	1.00	0.71	24.40	3.85	1.05	0.00
21.85	3.76	1.00	0.71	24.45	3.85	1.05	0.00
21.90	3.76	1.00	0.71	24.50	3.85	1.05	0.00
21.95	3.76	1.00	0.71	24.55	3.85	1.05	0.00
22.00	3.76	1.00	0.70	24.60	3.85	1.05	0.00
22.05	3.77	1.00	0.70	24.65	3.85	1.05	0.00
22.10	3.77	1.00	0.70	24.70	3.85	1.05	0.00
22.15	3.77	1.01	0.69	24.75	3.85	1.05	0.00
22.20	3.77	1.01	0.69	24.80	3.85	1.05	0.00
22.25	3.77	1.01	0.69	24.85	3.85	1.05	0.00
22.30	3.78	1.01	0.69	24.90	3.85	1.05	0.00
22.35	3.78	1.01	0.68	24.95	3.85	1.05	0.00
22.40	3.78	1.01	0.68	25.00	3.85	1.05	0.00
22.45	3.78	1.01	0.68	25.05	3.85	1.05	0.00
22.50	3.79	1.02	0.68	25.10	3.85	1.05	0.00
22.55	3.79	1.02	0.67	25.15	3.85	1.05	0.00
22.60	3.79	1.02	0.67	25.20	3.85	1.05	0.00
22.65	3.79	1.02	0.67	25.25	3.85	1.05	0.00
22.70	3.79	1.02	0.67	25.30	3.85	1.05	0.00
22.75	3.80	1.02	0.66	25.35	3.85	1.05	0.00
22.80	3.80	1.02	0.66	25.40	3.85	1.05	0.00
22.85	3.80	1.02	0.66	25.45	3.85	1.05	0.00
22.90	3.80	1.03	0.65	25.50	3.85	1.05	0.00
22.95	3.81	1.03	0.65	25.55	3.85	1.05	0.00
23.00	3.81	1.03	0.65	25.60	3.85	1.05	0.00
23.05	3.81	1.03	0.65	25.65	3.85	1.05	0.00
23.10	3.81	1.03	0.65	25.70	3.85	1.05	0.00
23.15	3.81	1.03	0.64	25.75	3.85	1.05	0.00
23.20	3.82	1.03	0.64	25.80	3.85	1.05	0.00
23.25	3.82	1.03	0.64	25.85	3.85	1.05	0.00
23.30	3.82	1.04	0.63	25.90	3.85	1.05	0.00
23.35	3.82	1.04	0.63	25.95	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.05	0.00	28.60	3.85	1.05	0.00
26.05	3.85	1.05	0.00	28.65	3.85	1.05	0.00
26.10	3.85	1.05	0.00	28.70	3.85	1.05	0.00
26.15	3.85	1.05	0.00	28.75	3.85	1.05	0.00
26.20	3.85	1.05	0.00	28.80	3.85	1.05	0.00
26.25	3.85	1.05	0.00	28.85	3.85	1.05	0.00
26.30	3.85	1.05	0.00	28.90	3.85	1.05	0.00
26.35	3.85	1.05	0.00	28.95	3.85	1.05	0.00
26.40	3.85	1.05	0.00	29.00	3.85	1.05	0.00
26.45	3.85	1.05	0.00	29.05	3.85	1.05	0.00
26.50	3.85	1.05	0.00	29.10	3.85	1.05	0.00
26.55	3.85	1.05	0.00	29.15	3.85	1.05	0.00
26.60	3.85	1.05	0.00	29.20	3.85	1.05	0.00
26.65	3.85	1.05	0.00	29.25	3.85	1.05	0.00
26.70	3.85	1.05	0.00	29.30	3.85	1.05	0.00
26.75	3.85	1.05	0.00	29.35	3.85	1.05	0.00
26.80	3.85	1.05	0.00	29.40	3.85	1.05	0.00
26.85	3.85	1.05	0.00	29.45	3.85	1.05	0.00
26.90	3.85	1.05	0.00	29.50	3.85	1.05	0.00
26.95	3.85	1.05	0.00	29.55	3.85	1.05	0.00
27.00	3.85	1.05	0.00	29.60	3.85	1.05	0.00
27.05	3.85	1.05	0.00	29.65	3.85	1.05	0.00
27.10	3.85	1.05	0.00	29.70	3.85	1.05	0.00
27.15	3.85	1.05	0.00	29.75	3.85	1.05	0.00
27.20	3.85	1.05	0.00	29.80	3.85	1.05	0.00
27.25	3.85	1.05	0.00	29.85	3.85	1.05	0.00
27.30	3.85	1.05	0.00	29.90	3.85	1.05	0.00
27.35	3.85	1.05	0.00	29.95	3.85	1.05	0.00
27.40	3.85	1.05	0.00	30.00	3.85	1.05	0.00
27.45	3.85	1.05	0.00	30.05	3.85	1.05	0.00
27.50	3.85	1.05	0.00	30.10	3.85	1.05	0.00
27.55	3.85	1.05	0.00	30.15	3.85	1.05	0.00
27.60	3.85	1.05	0.00	30.20	3.85	1.05	0.00
27.65	3.85	1.05	0.00	30.25	3.85	1.05	0.00
27.70	3.85	1.05	0.00	30.30	3.85	1.05	0.00
27.75	3.85	1.05	0.00	30.35	3.85	1.05	0.00
27.80	3.85	1.05	0.00	30.40	3.85	1.05	0.00
27.85	3.85	1.05	0.00	30.45	3.85	1.05	0.00
27.90	3.85	1.05	0.00	30.50	3.85	1.05	0.00
27.95	3.85	1.05	0.00	30.55	3.85	1.05	0.00
28.00	3.85	1.05	0.00	30.60	3.85	1.05	0.00
28.05	3.85	1.05	0.00	30.65	3.85	1.05	0.00
28.10	3.85	1.05	0.00	30.70	3.85	1.05	0.00
28.15	3.85	1.05	0.00	30.75	3.85	1.05	0.00
28.20	3.85	1.05	0.00	30.80	3.85	1.05	0.00
28.25	3.85	1.05	0.00	30.85	3.85	1.05	0.00
28.30	3.85	1.05	0.00	30.90	3.85	1.05	0.00
28.35	3.85	1.05	0.00	30.95	3.85	1.05	0.00
28.40	3.85	1.05	0.00	31.00	3.85	1.05	0.00
28.45	3.85	1.05	0.00	31.05	3.85	1.05	0.00
28.50	3.85	1.05	0.00	31.10	3.85	1.05	0.00
28.55	3.85	1.05	0.00	31.15	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.05	0.00	33.80	3.85	1.05	0.00
31.25	3.85	1.05	0.00	33.85	3.85	1.05	0.00
31.30	3.85	1.05	0.00	33.90	3.85	1.05	0.00
31.35	3.85	1.05	0.00	33.95	3.85	1.05	0.00
31.40	3.85	1.05	0.00	34.00	3.85	1.05	0.00
31.45	3.85	1.05	0.00	34.05	3.85	1.05	0.00
31.50	3.85	1.05	0.00	34.10	3.85	1.05	0.00
31.55	3.85	1.05	0.00	34.15	3.85	1.05	0.00
31.60	3.85	1.05	0.00	34.20	3.85	1.05	0.00
31.65	3.85	1.05	0.00	34.25	3.85	1.05	0.00
31.70	3.85	1.05	0.00	34.30	3.85	1.05	0.00
31.75	3.85	1.05	0.00	34.35	3.85	1.05	0.00
31.80	3.85	1.05	0.00	34.40	3.85	1.05	0.00
31.85	3.85	1.05	0.00	34.45	3.85	1.05	0.00
31.90	3.85	1.05	0.00	34.50	3.85	1.05	0.00
31.95	3.85	1.05	0.00	34.55	3.85	1.05	0.00
32.00	3.85	1.05	0.00	34.60	3.85	1.05	0.00
32.05	3.85	1.05	0.00	34.65	3.85	1.05	0.00
32.10	3.85	1.05	0.00	34.70	3.85	1.05	0.00
32.15	3.85	1.05	0.00	34.75	3.85	1.05	0.00
32.20	3.85	1.05	0.00	34.80	3.85	1.05	0.00
32.25	3.85	1.05	0.00	34.85	3.85	1.05	0.00
32.30	3.85	1.05	0.00	34.90	3.85	1.05	0.00
32.35	3.85	1.05	0.00	34.95	3.85	1.05	0.00
32.40	3.85	1.05	0.00	35.00	3.85	1.05	0.00
32.45	3.85	1.05	0.00	35.05	3.85	1.05	0.00
32.50	3.85	1.05	0.00	35.10	3.85	1.05	0.00
32.55	3.85	1.05	0.00	35.15	3.85	1.05	0.00
32.60	3.85	1.05	0.00	35.20	3.85	1.05	0.00
32.65	3.85	1.05	0.00	35.25	3.85	1.05	0.00
32.70	3.85	1.05	0.00	35.30	3.85	1.05	0.00
32.75	3.85	1.05	0.00	35.35	3.85	1.05	0.00
32.80	3.85	1.05	0.00	35.40	3.85	1.05	0.00
32.85	3.85	1.05	0.00	35.45	3.85	1.05	0.00
32.90	3.85	1.05	0.00	35.50	3.85	1.05	0.00
32.95	3.85	1.05	0.00	35.55	3.85	1.05	0.00
33.00	3.85	1.05	0.00	35.60	3.85	1.05	0.00
33.05	3.85	1.05	0.00	35.65	3.85	1.05	0.00
33.10	3.85	1.05	0.00	35.70	3.85	1.05	0.00
33.15	3.85	1.05	0.00	35.75	3.85	1.05	0.00
33.20	3.85	1.05	0.00	35.80	3.85	1.05	0.00
33.25	3.85	1.05	0.00	35.85	3.85	1.05	0.00
33.30	3.85	1.05	0.00	35.90	3.85	1.05	0.00
33.35	3.85	1.05	0.00	35.95	3.85	1.05	0.00
33.40	3.85	1.05	0.00	36.00	3.85	1.05	0.00
33.45	3.85	1.05	0.00	36.05	3.85	1.05	0.00
33.50	3.85	1.05	0.00	36.10	3.85	1.05	0.00
33.55	3.85	1.05	0.00	36.15	3.85	1.05	0.00
33.60	3.85	1.05	0.00	36.20	3.85	1.05	0.00
33.65	3.85	1.05	0.00	36.25	3.85	1.05	0.00
33.70	3.85	1.05	0.00	36.30	3.85	1.05	0.00
33.75	3.85	1.05	0.00	36.35	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.05	0.00	39.00	3.85	1.05	0.00
36.45	3.85	1.05	0.00	39.05	3.85	1.05	0.00
36.50	3.85	1.05	0.00	39.10	3.85	1.05	0.00
36.55	3.85	1.05	0.00	39.15	3.85	1.05	0.00
36.60	3.85	1.05	0.00	39.20	3.85	1.05	0.00
36.65	3.85	1.05	0.00	39.25	3.85	1.05	0.00
36.70	3.85	1.05	0.00	39.30	3.85	1.05	0.00
36.75	3.85	1.05	0.00	39.35	3.85	1.05	0.00
36.80	3.85	1.05	0.00	39.40	3.85	1.05	0.00
36.85	3.85	1.05	0.00	39.45	3.85	1.05	0.00
36.90	3.85	1.05	0.00	39.50	3.85	1.05	0.00
36.95	3.85	1.05	0.00	39.55	3.85	1.05	0.00
37.00	3.85	1.05	0.00	39.60	3.85	1.05	0.00
37.05	3.85	1.05	0.00	39.65	3.85	1.05	0.00
37.10	3.85	1.05	0.00	39.70	3.85	1.05	0.00
37.15	3.85	1.05	0.00	39.75	3.85	1.05	0.00
37.20	3.85	1.05	0.00	39.80	3.85	1.05	0.00
37.25	3.85	1.05	0.00	39.85	3.85	1.05	0.00
37.30	3.85	1.05	0.00	39.90	3.85	1.05	0.00
37.35	3.85	1.05	0.00	39.95	3.85	1.05	0.00
37.40	3.85	1.05	0.00	40.00	3.85	1.05	0.00
37.45	3.85	1.05	0.00				
37.50	3.85	1.05	0.00				
37.55	3.85	1.05	0.00				
37.60	3.85	1.05	0.00				
37.65	3.85	1.05	0.00				
37.70	3.85	1.05	0.00				
37.75	3.85	1.05	0.00				
37.80	3.85	1.05	0.00				
37.85	3.85	1.05	0.00				
37.90	3.85	1.05	0.00				
37.95	3.85	1.05	0.00				
38.00	3.85	1.05	0.00				
38.05	3.85	1.05	0.00				
38.10	3.85	1.05	0.00				
38.15	3.85	1.05	0.00				
38.20	3.85	1.05	0.00				
38.25	3.85	1.05	0.00				
38.30	3.85	1.05	0.00				
38.35	3.85	1.05	0.00				
38.40	3.85	1.05	0.00				
38.45	3.85	1.05	0.00				
38.50	3.85	1.05	0.00				
38.55	3.85	1.05	0.00				
38.60	3.85	1.05	0.00				
38.65	3.85	1.05	0.00				
38.70	3.85	1.05	0.00				
38.75	3.85	1.05	0.00				
38.80	3.85	1.05	0.00				
38.85	3.85	1.05	0.00				
38.90	3.85	1.05	0.00				
38.95	3.85	1.05	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

Runoff = 64.99 cfs @ 12.19 hrs, Volume= 4.974 af, Depth= 1.70"
Routed to Link XDA-2 : Existing Drainage Area #2

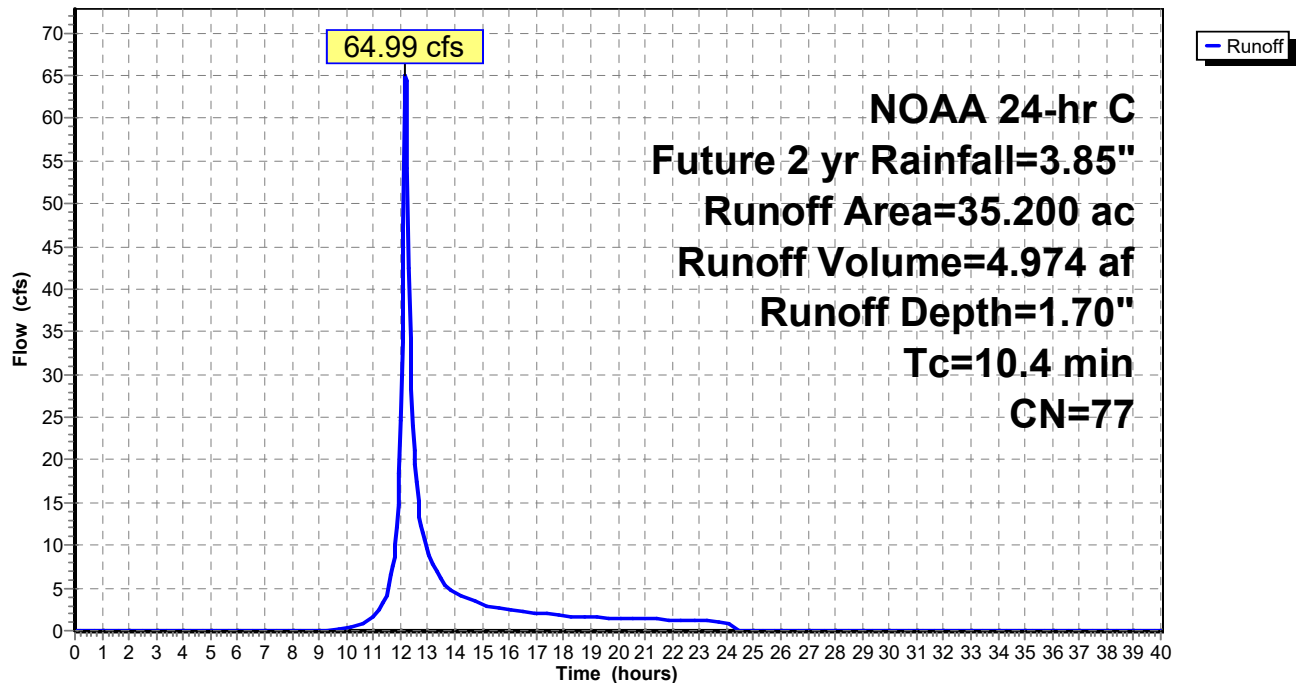
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)

Hydrograph



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.01
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.03
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.04
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.06
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.09
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.11
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.14
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.16
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.19
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.22
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.25
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.29
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.32
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.36
7.55	0.42	0.00	0.00	10.15	0.73	0.01	0.39
7.60	0.43	0.00	0.00	10.20	0.74	0.01	0.43
7.65	0.43	0.00	0.00	10.25	0.75	0.01	0.47
7.70	0.43	0.00	0.00	10.30	0.76	0.01	0.51
7.75	0.44	0.00	0.00	10.35	0.76	0.01	0.55

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.01	0.59	13.00	2.93	1.02	9.43
10.45	0.78	0.01	0.64	13.05	2.94	1.03	8.96
10.50	0.79	0.01	0.68	13.10	2.96	1.04	8.48
10.55	0.80	0.01	0.73	13.15	2.97	1.05	8.03
10.60	0.82	0.01	0.79	13.20	2.98	1.06	7.63
10.65	0.83	0.02	0.87	13.25	3.00	1.07	7.31
10.70	0.84	0.02	0.96	13.30	3.01	1.08	7.01
10.75	0.85	0.02	1.05	13.35	3.02	1.09	6.74
10.80	0.87	0.02	1.15	13.40	3.03	1.10	6.47
10.85	0.88	0.02	1.26	13.45	3.05	1.10	6.21
10.90	0.89	0.03	1.38	13.50	3.06	1.11	5.95
10.95	0.91	0.03	1.51	13.55	3.07	1.12	5.69
11.00	0.92	0.03	1.64	13.60	3.08	1.12	5.42
11.05	0.94	0.04	1.78	13.65	3.09	1.13	5.17
11.10	0.96	0.04	1.95	13.70	3.09	1.14	4.98
11.15	0.98	0.04	2.16	13.75	3.10	1.14	4.85
11.20	1.00	0.05	2.38	13.80	3.11	1.15	4.75
11.25	1.02	0.05	2.63	13.85	3.12	1.16	4.67
11.30	1.04	0.06	2.90	13.90	3.13	1.16	4.59
11.35	1.06	0.06	3.18	13.95	3.14	1.17	4.53
11.40	1.09	0.07	3.49	14.00	3.15	1.17	4.46
11.45	1.11	0.08	3.81	14.05	3.16	1.18	4.39
11.50	1.14	0.08	4.14	14.10	3.16	1.19	4.32
11.55	1.18	0.09	4.54	14.15	3.17	1.19	4.25
11.60	1.22	0.11	5.35	14.20	3.18	1.20	4.19
11.65	1.26	0.12	6.52	14.25	3.19	1.20	4.12
11.70	1.30	0.13	7.63	14.30	3.20	1.21	4.05
11.75	1.35	0.15	8.63	14.35	3.20	1.21	3.99
11.80	1.41	0.17	10.04	14.40	3.21	1.22	3.91
11.85	1.49	0.20	12.04	14.45	3.22	1.22	3.85
11.90	1.57	0.24	14.78	14.50	3.23	1.23	3.78
11.95	1.70	0.30	18.49	14.55	3.23	1.23	3.71
12.00	1.83	0.36	24.62	14.60	3.24	1.24	3.64
12.05	2.06	0.48	33.74	14.65	3.25	1.24	3.57
12.10	2.28	0.61	47.19	14.70	3.25	1.25	3.50
12.15	2.36	0.66	61.72	14.75	3.26	1.25	3.43
12.20	2.44	0.70	64.44	14.80	3.26	1.26	3.36
12.25	2.50	0.74	54.17	14.85	3.27	1.26	3.29
12.30	2.55	0.77	42.43	14.90	3.28	1.27	3.22
12.35	2.59	0.80	34.23	14.95	3.28	1.27	3.15
12.40	2.63	0.83	28.35	15.00	3.29	1.27	3.07
12.45	2.67	0.85	24.02	15.05	3.29	1.28	3.00
12.50	2.71	0.88	21.20	15.10	3.30	1.28	2.93
12.55	2.74	0.89	19.45	15.15	3.30	1.29	2.86
12.60	2.76	0.91	17.48	15.20	3.31	1.29	2.81
12.65	2.79	0.93	15.13	15.25	3.31	1.29	2.78
12.70	2.81	0.94	13.31	15.30	3.32	1.30	2.75
12.75	2.83	0.96	12.23	15.35	3.32	1.30	2.72
12.80	2.85	0.97	11.50	15.40	3.33	1.31	2.71
12.85	2.87	0.98	10.92	15.45	3.34	1.31	2.69
12.90	2.89	1.00	10.40	15.50	3.34	1.31	2.67
12.95	2.91	1.01	9.91	15.55	3.35	1.32	2.65

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.32	2.63	18.20	3.56	1.47	1.65
15.65	3.36	1.32	2.62	18.25	3.56	1.48	1.64
15.70	3.36	1.33	2.60	18.30	3.56	1.48	1.64
15.75	3.36	1.33	2.58	18.35	3.57	1.48	1.63
15.80	3.37	1.33	2.56	18.40	3.57	1.48	1.63
15.85	3.37	1.34	2.54	18.45	3.57	1.48	1.62
15.90	3.38	1.34	2.52	18.50	3.58	1.49	1.62
15.95	3.38	1.34	2.51	18.55	3.58	1.49	1.61
16.00	3.39	1.35	2.49	18.60	3.58	1.49	1.61
16.05	3.39	1.35	2.47	18.65	3.58	1.49	1.60
16.10	3.40	1.36	2.45	18.70	3.59	1.50	1.60
16.15	3.40	1.36	2.43	18.75	3.59	1.50	1.59
16.20	3.41	1.36	2.42	18.80	3.59	1.50	1.59
16.25	3.41	1.37	2.40	18.85	3.60	1.50	1.58
16.30	3.42	1.37	2.38	18.90	3.60	1.50	1.58
16.35	3.42	1.37	2.36	18.95	3.60	1.51	1.58
16.40	3.42	1.37	2.34	19.00	3.61	1.51	1.57
16.45	3.43	1.38	2.32	19.05	3.61	1.51	1.57
16.50	3.43	1.38	2.30	19.10	3.61	1.51	1.56
16.55	3.44	1.38	2.28	19.15	3.61	1.52	1.56
16.60	3.44	1.39	2.26	19.20	3.62	1.52	1.55
16.65	3.45	1.39	2.25	19.25	3.62	1.52	1.55
16.70	3.45	1.39	2.23	19.30	3.62	1.52	1.54
16.75	3.45	1.40	2.21	19.35	3.63	1.52	1.54
16.80	3.46	1.40	2.19	19.40	3.63	1.53	1.53
16.85	3.46	1.40	2.17	19.45	3.63	1.53	1.53
16.90	3.47	1.41	2.15	19.50	3.63	1.53	1.52
16.95	3.47	1.41	2.13	19.55	3.64	1.53	1.52
17.00	3.47	1.41	2.11	19.60	3.64	1.53	1.52
17.05	3.48	1.41	2.10	19.65	3.64	1.54	1.51
17.10	3.48	1.42	2.08	19.70	3.65	1.54	1.51
17.15	3.49	1.42	2.06	19.75	3.65	1.54	1.50
17.20	3.49	1.42	2.04	19.80	3.65	1.54	1.50
17.25	3.49	1.43	2.02	19.85	3.65	1.55	1.50
17.30	3.50	1.43	2.00	19.90	3.66	1.55	1.49
17.35	3.50	1.43	1.98	19.95	3.66	1.55	1.49
17.40	3.50	1.43	1.96	20.00	3.66	1.55	1.48
17.45	3.51	1.44	1.94	20.05	3.66	1.55	1.47
17.50	3.51	1.44	1.92	20.10	3.67	1.56	1.47
17.55	3.52	1.44	1.90	20.15	3.67	1.56	1.46
17.60	3.52	1.44	1.88	20.20	3.67	1.56	1.46
17.65	3.52	1.45	1.86	20.25	3.68	1.56	1.45
17.70	3.53	1.45	1.84	20.30	3.68	1.56	1.45
17.75	3.53	1.45	1.82	20.35	3.68	1.57	1.44
17.80	3.53	1.45	1.81	20.40	3.68	1.57	1.44
17.85	3.54	1.46	1.79	20.45	3.69	1.57	1.43
17.90	3.54	1.46	1.77	20.50	3.69	1.57	1.43
17.95	3.54	1.46	1.75	20.55	3.69	1.57	1.43
18.00	3.54	1.46	1.73	20.60	3.69	1.58	1.42
18.05	3.55	1.47	1.71	20.65	3.70	1.58	1.42
18.10	3.55	1.47	1.69	20.70	3.70	1.58	1.42
18.15	3.55	1.47	1.67	20.75	3.70	1.58	1.41

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.58	1.40	23.40	3.82	1.68	1.15
20.85	3.71	1.59	1.40	23.45	3.83	1.68	1.15
20.90	3.71	1.59	1.39	23.50	3.83	1.68	1.14
20.95	3.71	1.59	1.39	23.55	3.83	1.68	1.13
21.00	3.71	1.59	1.38	23.60	3.83	1.68	1.13
21.05	3.72	1.59	1.38	23.65	3.84	1.68	1.12
21.10	3.72	1.60	1.37	23.70	3.84	1.69	1.12
21.15	3.72	1.60	1.37	23.75	3.84	1.69	1.12
21.20	3.72	1.60	1.36	23.80	3.84	1.69	1.11
21.25	3.73	1.60	1.36	23.85	3.84	1.69	1.10
21.30	3.73	1.60	1.36	23.90	3.85	1.69	1.10
21.35	3.73	1.60	1.35	23.95	3.85	1.69	1.10
21.40	3.73	1.61	1.35	24.00	3.85	1.70	1.14
21.45	3.74	1.61	1.34	24.05	3.85	1.70	1.18
21.50	3.74	1.61	1.34	24.10	3.85	1.70	1.00
21.55	3.74	1.61	1.33	24.15	3.85	1.70	0.62
21.60	3.74	1.61	1.32	24.20	3.85	1.70	0.32
21.65	3.75	1.62	1.32	24.25	3.85	1.70	0.15
21.70	3.75	1.62	1.31	24.30	3.85	1.70	0.08
21.75	3.75	1.62	1.31	24.35	3.85	1.70	0.04
21.80	3.75	1.62	1.31	24.40	3.85	1.70	0.02
21.85	3.76	1.62	1.30	24.45	3.85	1.70	0.01
21.90	3.76	1.63	1.30	24.50	3.85	1.70	0.00
21.95	3.76	1.63	1.29	24.55	3.85	1.70	0.00
22.00	3.76	1.63	1.29	24.60	3.85	1.70	0.00
22.05	3.77	1.63	1.28	24.65	3.85	1.70	0.00
22.10	3.77	1.63	1.28	24.70	3.85	1.70	0.00
22.15	3.77	1.63	1.27	24.75	3.85	1.70	0.00
22.20	3.77	1.64	1.27	24.80	3.85	1.70	0.00
22.25	3.77	1.64	1.27	24.85	3.85	1.70	0.00
22.30	3.78	1.64	1.26	24.90	3.85	1.70	0.00
22.35	3.78	1.64	1.25	24.95	3.85	1.70	0.00
22.40	3.78	1.64	1.25	25.00	3.85	1.70	0.00
22.45	3.78	1.64	1.24	25.05	3.85	1.70	0.00
22.50	3.79	1.65	1.24	25.10	3.85	1.70	0.00
22.55	3.79	1.65	1.23	25.15	3.85	1.70	0.00
22.60	3.79	1.65	1.23	25.20	3.85	1.70	0.00
22.65	3.79	1.65	1.23	25.25	3.85	1.70	0.00
22.70	3.79	1.65	1.22	25.30	3.85	1.70	0.00
22.75	3.80	1.65	1.21	25.35	3.85	1.70	0.00
22.80	3.80	1.66	1.21	25.40	3.85	1.70	0.00
22.85	3.80	1.66	1.20	25.45	3.85	1.70	0.00
22.90	3.80	1.66	1.20	25.50	3.85	1.70	0.00
22.95	3.81	1.66	1.19	25.55	3.85	1.70	0.00
23.00	3.81	1.66	1.19	25.60	3.85	1.70	0.00
23.05	3.81	1.66	1.19	25.65	3.85	1.70	0.00
23.10	3.81	1.67	1.18	25.70	3.85	1.70	0.00
23.15	3.81	1.67	1.17	25.75	3.85	1.70	0.00
23.20	3.82	1.67	1.17	25.80	3.85	1.70	0.00
23.25	3.82	1.67	1.16	25.85	3.85	1.70	0.00
23.30	3.82	1.67	1.16	25.90	3.85	1.70	0.00
23.35	3.82	1.67	1.15	25.95	3.85	1.70	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.70	0.00	28.60	3.85	1.70	0.00
26.05	3.85	1.70	0.00	28.65	3.85	1.70	0.00
26.10	3.85	1.70	0.00	28.70	3.85	1.70	0.00
26.15	3.85	1.70	0.00	28.75	3.85	1.70	0.00
26.20	3.85	1.70	0.00	28.80	3.85	1.70	0.00
26.25	3.85	1.70	0.00	28.85	3.85	1.70	0.00
26.30	3.85	1.70	0.00	28.90	3.85	1.70	0.00
26.35	3.85	1.70	0.00	28.95	3.85	1.70	0.00
26.40	3.85	1.70	0.00	29.00	3.85	1.70	0.00
26.45	3.85	1.70	0.00	29.05	3.85	1.70	0.00
26.50	3.85	1.70	0.00	29.10	3.85	1.70	0.00
26.55	3.85	1.70	0.00	29.15	3.85	1.70	0.00
26.60	3.85	1.70	0.00	29.20	3.85	1.70	0.00
26.65	3.85	1.70	0.00	29.25	3.85	1.70	0.00
26.70	3.85	1.70	0.00	29.30	3.85	1.70	0.00
26.75	3.85	1.70	0.00	29.35	3.85	1.70	0.00
26.80	3.85	1.70	0.00	29.40	3.85	1.70	0.00
26.85	3.85	1.70	0.00	29.45	3.85	1.70	0.00
26.90	3.85	1.70	0.00	29.50	3.85	1.70	0.00
26.95	3.85	1.70	0.00	29.55	3.85	1.70	0.00
27.00	3.85	1.70	0.00	29.60	3.85	1.70	0.00
27.05	3.85	1.70	0.00	29.65	3.85	1.70	0.00
27.10	3.85	1.70	0.00	29.70	3.85	1.70	0.00
27.15	3.85	1.70	0.00	29.75	3.85	1.70	0.00
27.20	3.85	1.70	0.00	29.80	3.85	1.70	0.00
27.25	3.85	1.70	0.00	29.85	3.85	1.70	0.00
27.30	3.85	1.70	0.00	29.90	3.85	1.70	0.00
27.35	3.85	1.70	0.00	29.95	3.85	1.70	0.00
27.40	3.85	1.70	0.00	30.00	3.85	1.70	0.00
27.45	3.85	1.70	0.00	30.05	3.85	1.70	0.00
27.50	3.85	1.70	0.00	30.10	3.85	1.70	0.00
27.55	3.85	1.70	0.00	30.15	3.85	1.70	0.00
27.60	3.85	1.70	0.00	30.20	3.85	1.70	0.00
27.65	3.85	1.70	0.00	30.25	3.85	1.70	0.00
27.70	3.85	1.70	0.00	30.30	3.85	1.70	0.00
27.75	3.85	1.70	0.00	30.35	3.85	1.70	0.00
27.80	3.85	1.70	0.00	30.40	3.85	1.70	0.00
27.85	3.85	1.70	0.00	30.45	3.85	1.70	0.00
27.90	3.85	1.70	0.00	30.50	3.85	1.70	0.00
27.95	3.85	1.70	0.00	30.55	3.85	1.70	0.00
28.00	3.85	1.70	0.00	30.60	3.85	1.70	0.00
28.05	3.85	1.70	0.00	30.65	3.85	1.70	0.00
28.10	3.85	1.70	0.00	30.70	3.85	1.70	0.00
28.15	3.85	1.70	0.00	30.75	3.85	1.70	0.00
28.20	3.85	1.70	0.00	30.80	3.85	1.70	0.00
28.25	3.85	1.70	0.00	30.85	3.85	1.70	0.00
28.30	3.85	1.70	0.00	30.90	3.85	1.70	0.00
28.35	3.85	1.70	0.00	30.95	3.85	1.70	0.00
28.40	3.85	1.70	0.00	31.00	3.85	1.70	0.00
28.45	3.85	1.70	0.00	31.05	3.85	1.70	0.00
28.50	3.85	1.70	0.00	31.10	3.85	1.70	0.00
28.55	3.85	1.70	0.00	31.15	3.85	1.70	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.70	0.00	33.80	3.85	1.70	0.00
31.25	3.85	1.70	0.00	33.85	3.85	1.70	0.00
31.30	3.85	1.70	0.00	33.90	3.85	1.70	0.00
31.35	3.85	1.70	0.00	33.95	3.85	1.70	0.00
31.40	3.85	1.70	0.00	34.00	3.85	1.70	0.00
31.45	3.85	1.70	0.00	34.05	3.85	1.70	0.00
31.50	3.85	1.70	0.00	34.10	3.85	1.70	0.00
31.55	3.85	1.70	0.00	34.15	3.85	1.70	0.00
31.60	3.85	1.70	0.00	34.20	3.85	1.70	0.00
31.65	3.85	1.70	0.00	34.25	3.85	1.70	0.00
31.70	3.85	1.70	0.00	34.30	3.85	1.70	0.00
31.75	3.85	1.70	0.00	34.35	3.85	1.70	0.00
31.80	3.85	1.70	0.00	34.40	3.85	1.70	0.00
31.85	3.85	1.70	0.00	34.45	3.85	1.70	0.00
31.90	3.85	1.70	0.00	34.50	3.85	1.70	0.00
31.95	3.85	1.70	0.00	34.55	3.85	1.70	0.00
32.00	3.85	1.70	0.00	34.60	3.85	1.70	0.00
32.05	3.85	1.70	0.00	34.65	3.85	1.70	0.00
32.10	3.85	1.70	0.00	34.70	3.85	1.70	0.00
32.15	3.85	1.70	0.00	34.75	3.85	1.70	0.00
32.20	3.85	1.70	0.00	34.80	3.85	1.70	0.00
32.25	3.85	1.70	0.00	34.85	3.85	1.70	0.00
32.30	3.85	1.70	0.00	34.90	3.85	1.70	0.00
32.35	3.85	1.70	0.00	34.95	3.85	1.70	0.00
32.40	3.85	1.70	0.00	35.00	3.85	1.70	0.00
32.45	3.85	1.70	0.00	35.05	3.85	1.70	0.00
32.50	3.85	1.70	0.00	35.10	3.85	1.70	0.00
32.55	3.85	1.70	0.00	35.15	3.85	1.70	0.00
32.60	3.85	1.70	0.00	35.20	3.85	1.70	0.00
32.65	3.85	1.70	0.00	35.25	3.85	1.70	0.00
32.70	3.85	1.70	0.00	35.30	3.85	1.70	0.00
32.75	3.85	1.70	0.00	35.35	3.85	1.70	0.00
32.80	3.85	1.70	0.00	35.40	3.85	1.70	0.00
32.85	3.85	1.70	0.00	35.45	3.85	1.70	0.00
32.90	3.85	1.70	0.00	35.50	3.85	1.70	0.00
32.95	3.85	1.70	0.00	35.55	3.85	1.70	0.00
33.00	3.85	1.70	0.00	35.60	3.85	1.70	0.00
33.05	3.85	1.70	0.00	35.65	3.85	1.70	0.00
33.10	3.85	1.70	0.00	35.70	3.85	1.70	0.00
33.15	3.85	1.70	0.00	35.75	3.85	1.70	0.00
33.20	3.85	1.70	0.00	35.80	3.85	1.70	0.00
33.25	3.85	1.70	0.00	35.85	3.85	1.70	0.00
33.30	3.85	1.70	0.00	35.90	3.85	1.70	0.00
33.35	3.85	1.70	0.00	35.95	3.85	1.70	0.00
33.40	3.85	1.70	0.00	36.00	3.85	1.70	0.00
33.45	3.85	1.70	0.00	36.05	3.85	1.70	0.00
33.50	3.85	1.70	0.00	36.10	3.85	1.70	0.00
33.55	3.85	1.70	0.00	36.15	3.85	1.70	0.00
33.60	3.85	1.70	0.00	36.20	3.85	1.70	0.00
33.65	3.85	1.70	0.00	36.25	3.85	1.70	0.00
33.70	3.85	1.70	0.00	36.30	3.85	1.70	0.00
33.75	3.85	1.70	0.00	36.35	3.85	1.70	0.00

2025-07-14 Existing - Offsite Split- 081391

NOAA 24-hr C Future 2 yr Rainfall=3.85"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.70	0.00	39.00	3.85	1.70	0.00
36.45	3.85	1.70	0.00	39.05	3.85	1.70	0.00
36.50	3.85	1.70	0.00	39.10	3.85	1.70	0.00
36.55	3.85	1.70	0.00	39.15	3.85	1.70	0.00
36.60	3.85	1.70	0.00	39.20	3.85	1.70	0.00
36.65	3.85	1.70	0.00	39.25	3.85	1.70	0.00
36.70	3.85	1.70	0.00	39.30	3.85	1.70	0.00
36.75	3.85	1.70	0.00	39.35	3.85	1.70	0.00
36.80	3.85	1.70	0.00	39.40	3.85	1.70	0.00
36.85	3.85	1.70	0.00	39.45	3.85	1.70	0.00
36.90	3.85	1.70	0.00	39.50	3.85	1.70	0.00
36.95	3.85	1.70	0.00	39.55	3.85	1.70	0.00
37.00	3.85	1.70	0.00	39.60	3.85	1.70	0.00
37.05	3.85	1.70	0.00	39.65	3.85	1.70	0.00
37.10	3.85	1.70	0.00	39.70	3.85	1.70	0.00
37.15	3.85	1.70	0.00	39.75	3.85	1.70	0.00
37.20	3.85	1.70	0.00	39.80	3.85	1.70	0.00
37.25	3.85	1.70	0.00	39.85	3.85	1.70	0.00
37.30	3.85	1.70	0.00	39.90	3.85	1.70	0.00
37.35	3.85	1.70	0.00	39.95	3.85	1.70	0.00
37.40	3.85	1.70	0.00	40.00	3.85	1.70	0.00
37.45	3.85	1.70	0.00				
37.50	3.85	1.70	0.00				
37.55	3.85	1.70	0.00				
37.60	3.85	1.70	0.00				
37.65	3.85	1.70	0.00				
37.70	3.85	1.70	0.00				
37.75	3.85	1.70	0.00				
37.80	3.85	1.70	0.00				
37.85	3.85	1.70	0.00				
37.90	3.85	1.70	0.00				
37.95	3.85	1.70	0.00				
38.00	3.85	1.70	0.00				
38.05	3.85	1.70	0.00				
38.10	3.85	1.70	0.00				
38.15	3.85	1.70	0.00				
38.20	3.85	1.70	0.00				
38.25	3.85	1.70	0.00				
38.30	3.85	1.70	0.00				
38.35	3.85	1.70	0.00				
38.40	3.85	1.70	0.00				
38.45	3.85	1.70	0.00				
38.50	3.85	1.70	0.00				
38.55	3.85	1.70	0.00				
38.60	3.85	1.70	0.00				
38.65	3.85	1.70	0.00				
38.70	3.85	1.70	0.00				
38.75	3.85	1.70	0.00				
38.80	3.85	1.70	0.00				
38.85	3.85	1.70	0.00				
38.90	3.85	1.70	0.00				
38.95	3.85	1.70	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 52.87 cfs @ 12.09 hrs, Volume= 2.996 af, Depth= 1.62"
Routed to Link XDA-3 : Existing Drainage Area #3

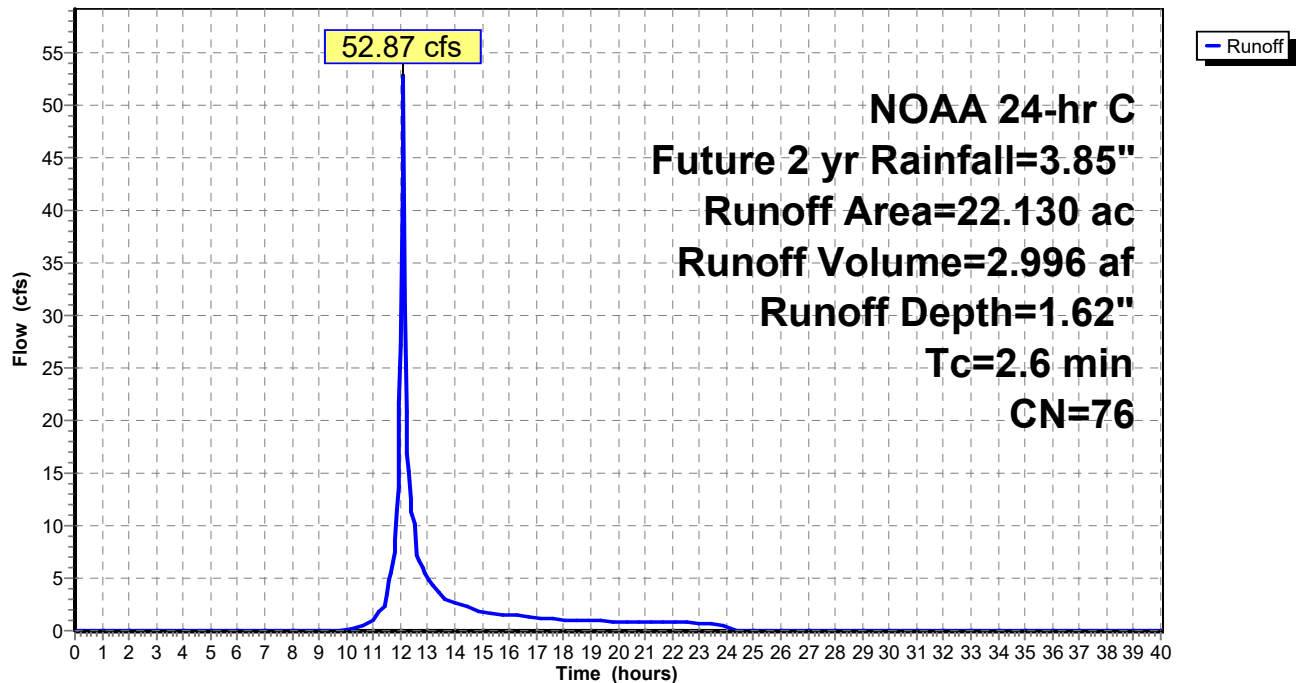
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.01
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.02
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.03
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.05
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.07
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.09
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.10
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.13
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.14
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.17
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.19
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.21
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.24
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.26
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.28
7.75	0.44	0.00	0.00	10.35	0.76	0.01	0.31

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.01	0.34	13.00	2.93	0.97	5.12
10.45	0.78	0.01	0.37	13.05	2.94	0.98	4.72
10.50	0.79	0.01	0.40	13.10	2.96	0.99	4.55
10.55	0.80	0.01	0.45	13.15	2.97	1.00	4.33
10.60	0.82	0.01	0.49	13.20	2.98	1.00	4.23
10.65	0.83	0.01	0.56	13.25	3.00	1.01	4.02
10.70	0.84	0.01	0.61	13.30	3.01	1.02	3.92
10.75	0.85	0.01	0.69	13.35	3.02	1.03	3.70
10.80	0.87	0.02	0.74	13.40	3.03	1.04	3.60
10.85	0.88	0.02	0.83	13.45	3.05	1.05	3.38
10.90	0.89	0.02	0.89	13.50	3.06	1.05	3.28
10.95	0.91	0.02	0.99	13.55	3.07	1.06	3.06
11.00	0.92	0.02	1.07	13.60	3.08	1.07	2.97
11.05	0.94	0.03	1.22	13.65	3.09	1.07	2.90
11.10	0.96	0.03	1.33	13.70	3.09	1.08	2.88
11.15	0.98	0.03	1.51	13.75	3.10	1.09	2.82
11.20	1.00	0.04	1.64	13.80	3.11	1.09	2.80
11.25	1.02	0.04	1.85	13.85	3.12	1.10	2.75
11.30	1.04	0.05	2.00	13.90	3.13	1.10	2.72
11.35	1.06	0.05	2.23	13.95	3.14	1.11	2.66
11.40	1.09	0.06	2.40	14.00	3.15	1.12	2.64
11.45	1.11	0.06	2.62	14.05	3.16	1.12	2.58
11.50	1.14	0.07	2.83	14.10	3.16	1.13	2.55
11.55	1.18	0.08	4.05	14.15	3.17	1.13	2.50
11.60	1.22	0.09	4.77	14.20	3.18	1.14	2.48
11.65	1.26	0.10	5.24	14.25	3.19	1.14	2.41
11.70	1.30	0.12	5.64	14.30	3.20	1.15	2.39
11.75	1.35	0.13	7.43	14.35	3.20	1.15	2.33
11.80	1.41	0.15	8.61	14.40	3.21	1.16	2.30
11.85	1.49	0.18	11.54	14.45	3.22	1.16	2.25
11.90	1.57	0.21	13.63	14.50	3.23	1.17	2.22
11.95	1.70	0.27	21.73	14.55	3.23	1.17	2.16
12.00	1.83	0.33	27.23	14.60	3.24	1.18	2.13
12.05	2.06	0.44	43.14	14.65	3.25	1.18	2.07
12.10	2.28	0.57	52.26	14.70	3.25	1.19	2.05
12.15	2.36	0.61	31.03	14.75	3.26	1.19	1.99
12.20	2.44	0.66	20.88	14.80	3.26	1.20	1.97
12.25	2.50	0.69	16.77	14.85	3.27	1.20	1.90
12.30	2.55	0.73	15.20	14.90	3.28	1.21	1.87
12.35	2.59	0.75	12.52	14.95	3.28	1.21	1.81
12.40	2.63	0.78	11.41	15.00	3.29	1.21	1.79
12.45	2.67	0.80	11.06	15.05	3.29	1.22	1.73
12.50	2.71	0.83	10.89	15.10	3.30	1.22	1.70
12.55	2.74	0.84	8.36	15.15	3.30	1.22	1.68
12.60	2.76	0.86	7.24	15.20	3.31	1.23	1.68
12.65	2.79	0.87	6.91	15.25	3.31	1.23	1.66
12.70	2.81	0.89	6.79	15.30	3.32	1.24	1.65
12.75	2.83	0.90	6.42	15.35	3.32	1.24	1.64
12.80	2.85	0.92	6.25	15.40	3.33	1.24	1.64
12.85	2.87	0.93	5.87	15.45	3.34	1.25	1.62
12.90	2.89	0.94	5.70	15.50	3.34	1.25	1.61
12.95	2.91	0.95	5.30	15.55	3.35	1.25	1.60

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.26	1.59	18.20	3.56	1.41	1.00
15.65	3.36	1.26	1.57	18.25	3.56	1.41	1.00
15.70	3.36	1.26	1.57	18.30	3.56	1.41	1.00
15.75	3.36	1.27	1.55	18.35	3.57	1.41	0.99
15.80	3.37	1.27	1.54	18.40	3.57	1.42	0.99
15.85	3.37	1.28	1.53	18.45	3.57	1.42	0.99
15.90	3.38	1.28	1.53	18.50	3.58	1.42	0.99
15.95	3.38	1.28	1.51	18.55	3.58	1.42	0.98
16.00	3.39	1.29	1.50	18.60	3.58	1.42	0.98
16.05	3.39	1.29	1.49	18.65	3.58	1.43	0.98
16.10	3.40	1.29	1.48	18.70	3.59	1.43	0.98
16.15	3.40	1.30	1.47	18.75	3.59	1.43	0.97
16.20	3.41	1.30	1.46	18.80	3.59	1.43	0.97
16.25	3.41	1.30	1.44	18.85	3.60	1.44	0.97
16.30	3.42	1.30	1.43	18.90	3.60	1.44	0.96
16.35	3.42	1.31	1.42	18.95	3.60	1.44	0.96
16.40	3.42	1.31	1.41	19.00	3.61	1.44	0.96
16.45	3.43	1.31	1.39	19.05	3.61	1.44	0.96
16.50	3.43	1.32	1.38	19.10	3.61	1.45	0.95
16.55	3.44	1.32	1.37	19.15	3.61	1.45	0.95
16.60	3.44	1.32	1.37	19.20	3.62	1.45	0.95
16.65	3.45	1.33	1.35	19.25	3.62	1.45	0.94
16.70	3.45	1.33	1.34	19.30	3.62	1.45	0.94
16.75	3.45	1.33	1.32	19.35	3.63	1.46	0.94
16.80	3.46	1.34	1.31	19.40	3.63	1.46	0.94
16.85	3.46	1.34	1.30	19.45	3.63	1.46	0.93
16.90	3.47	1.34	1.30	19.50	3.63	1.46	0.93
16.95	3.47	1.34	1.28	19.55	3.64	1.47	0.93
17.00	3.47	1.35	1.27	19.60	3.64	1.47	0.92
17.05	3.48	1.35	1.26	19.65	3.64	1.47	0.92
17.10	3.48	1.35	1.25	19.70	3.65	1.47	0.92
17.15	3.49	1.36	1.23	19.75	3.65	1.47	0.92
17.20	3.49	1.36	1.23	19.80	3.65	1.48	0.92
17.25	3.49	1.36	1.20	19.85	3.65	1.48	0.91
17.30	3.50	1.36	1.20	19.90	3.66	1.48	0.91
17.35	3.50	1.37	1.18	19.95	3.66	1.48	0.90
17.40	3.50	1.37	1.18	20.00	3.66	1.48	0.90
17.45	3.51	1.37	1.16	20.05	3.66	1.49	0.90
17.50	3.51	1.37	1.15	20.10	3.67	1.49	0.90
17.55	3.52	1.38	1.14	20.15	3.67	1.49	0.89
17.60	3.52	1.38	1.13	20.20	3.67	1.49	0.89
17.65	3.52	1.38	1.11	20.25	3.68	1.49	0.89
17.70	3.53	1.38	1.11	20.30	3.68	1.50	0.88
17.75	3.53	1.39	1.09	20.35	3.68	1.50	0.88
17.80	3.53	1.39	1.08	20.40	3.68	1.50	0.88
17.85	3.54	1.39	1.07	20.45	3.69	1.50	0.87
17.90	3.54	1.39	1.06	20.50	3.69	1.50	0.87
17.95	3.54	1.40	1.04	20.55	3.69	1.51	0.87
18.00	3.54	1.40	1.03	20.60	3.69	1.51	0.87
18.05	3.55	1.40	1.02	20.65	3.70	1.51	0.86
18.10	3.55	1.40	1.01	20.70	3.70	1.51	0.86
18.15	3.55	1.40	1.01	20.75	3.70	1.51	0.86

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.52	0.86	23.40	3.82	1.61	0.70
20.85	3.71	1.52	0.85	23.45	3.83	1.61	0.70
20.90	3.71	1.52	0.85	23.50	3.83	1.61	0.69
20.95	3.71	1.52	0.85	23.55	3.83	1.61	0.69
21.00	3.71	1.52	0.84	23.60	3.83	1.61	0.69
21.05	3.72	1.52	0.84	23.65	3.84	1.61	0.69
21.10	3.72	1.53	0.84	23.70	3.84	1.61	0.69
21.15	3.72	1.53	0.83	23.75	3.84	1.62	0.68
21.20	3.72	1.53	0.83	23.80	3.84	1.62	0.67
21.25	3.73	1.53	0.83	23.85	3.84	1.62	0.67
21.30	3.73	1.53	0.83	23.90	3.85	1.62	0.67
21.35	3.73	1.54	0.82	23.95	3.85	1.62	0.78
21.40	3.73	1.54	0.82	24.00	3.85	1.62	0.81
21.45	3.74	1.54	0.82	24.05	3.85	1.62	0.26
21.50	3.74	1.54	0.81	24.10	3.85	1.62	0.02
21.55	3.74	1.54	0.81	24.15	3.85	1.62	0.00
21.60	3.74	1.54	0.81	24.20	3.85	1.62	0.00
21.65	3.75	1.55	0.80	24.25	3.85	1.62	0.00
21.70	3.75	1.55	0.80	24.30	3.85	1.62	0.00
21.75	3.75	1.55	0.80	24.35	3.85	1.62	0.00
21.80	3.75	1.55	0.80	24.40	3.85	1.62	0.00
21.85	3.76	1.55	0.79	24.45	3.85	1.62	0.00
21.90	3.76	1.56	0.79	24.50	3.85	1.62	0.00
21.95	3.76	1.56	0.79	24.55	3.85	1.62	0.00
22.00	3.76	1.56	0.78	24.60	3.85	1.62	0.00
22.05	3.77	1.56	0.78	24.65	3.85	1.62	0.00
22.10	3.77	1.56	0.78	24.70	3.85	1.62	0.00
22.15	3.77	1.56	0.78	24.75	3.85	1.62	0.00
22.20	3.77	1.57	0.78	24.80	3.85	1.62	0.00
22.25	3.77	1.57	0.77	24.85	3.85	1.62	0.00
22.30	3.78	1.57	0.77	24.90	3.85	1.62	0.00
22.35	3.78	1.57	0.76	24.95	3.85	1.62	0.00
22.40	3.78	1.57	0.76	25.00	3.85	1.62	0.00
22.45	3.78	1.57	0.76	25.05	3.85	1.62	0.00
22.50	3.79	1.58	0.75	25.10	3.85	1.62	0.00
22.55	3.79	1.58	0.75	25.15	3.85	1.62	0.00
22.60	3.79	1.58	0.75	25.20	3.85	1.62	0.00
22.65	3.79	1.58	0.75	25.25	3.85	1.62	0.00
22.70	3.79	1.58	0.74	25.30	3.85	1.62	0.00
22.75	3.80	1.58	0.74	25.35	3.85	1.62	0.00
22.80	3.80	1.59	0.74	25.40	3.85	1.62	0.00
22.85	3.80	1.59	0.73	25.45	3.85	1.62	0.00
22.90	3.80	1.59	0.73	25.50	3.85	1.62	0.00
22.95	3.81	1.59	0.73	25.55	3.85	1.62	0.00
23.00	3.81	1.59	0.73	25.60	3.85	1.62	0.00
23.05	3.81	1.59	0.72	25.65	3.85	1.62	0.00
23.10	3.81	1.60	0.72	25.70	3.85	1.62	0.00
23.15	3.81	1.60	0.71	25.75	3.85	1.62	0.00
23.20	3.82	1.60	0.71	25.80	3.85	1.62	0.00
23.25	3.82	1.60	0.71	25.85	3.85	1.62	0.00
23.30	3.82	1.60	0.70	25.90	3.85	1.62	0.00
23.35	3.82	1.60	0.70	25.95	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.62	0.00	28.60	3.85	1.62	0.00
26.05	3.85	1.62	0.00	28.65	3.85	1.62	0.00
26.10	3.85	1.62	0.00	28.70	3.85	1.62	0.00
26.15	3.85	1.62	0.00	28.75	3.85	1.62	0.00
26.20	3.85	1.62	0.00	28.80	3.85	1.62	0.00
26.25	3.85	1.62	0.00	28.85	3.85	1.62	0.00
26.30	3.85	1.62	0.00	28.90	3.85	1.62	0.00
26.35	3.85	1.62	0.00	28.95	3.85	1.62	0.00
26.40	3.85	1.62	0.00	29.00	3.85	1.62	0.00
26.45	3.85	1.62	0.00	29.05	3.85	1.62	0.00
26.50	3.85	1.62	0.00	29.10	3.85	1.62	0.00
26.55	3.85	1.62	0.00	29.15	3.85	1.62	0.00
26.60	3.85	1.62	0.00	29.20	3.85	1.62	0.00
26.65	3.85	1.62	0.00	29.25	3.85	1.62	0.00
26.70	3.85	1.62	0.00	29.30	3.85	1.62	0.00
26.75	3.85	1.62	0.00	29.35	3.85	1.62	0.00
26.80	3.85	1.62	0.00	29.40	3.85	1.62	0.00
26.85	3.85	1.62	0.00	29.45	3.85	1.62	0.00
26.90	3.85	1.62	0.00	29.50	3.85	1.62	0.00
26.95	3.85	1.62	0.00	29.55	3.85	1.62	0.00
27.00	3.85	1.62	0.00	29.60	3.85	1.62	0.00
27.05	3.85	1.62	0.00	29.65	3.85	1.62	0.00
27.10	3.85	1.62	0.00	29.70	3.85	1.62	0.00
27.15	3.85	1.62	0.00	29.75	3.85	1.62	0.00
27.20	3.85	1.62	0.00	29.80	3.85	1.62	0.00
27.25	3.85	1.62	0.00	29.85	3.85	1.62	0.00
27.30	3.85	1.62	0.00	29.90	3.85	1.62	0.00
27.35	3.85	1.62	0.00	29.95	3.85	1.62	0.00
27.40	3.85	1.62	0.00	30.00	3.85	1.62	0.00
27.45	3.85	1.62	0.00	30.05	3.85	1.62	0.00
27.50	3.85	1.62	0.00	30.10	3.85	1.62	0.00
27.55	3.85	1.62	0.00	30.15	3.85	1.62	0.00
27.60	3.85	1.62	0.00	30.20	3.85	1.62	0.00
27.65	3.85	1.62	0.00	30.25	3.85	1.62	0.00
27.70	3.85	1.62	0.00	30.30	3.85	1.62	0.00
27.75	3.85	1.62	0.00	30.35	3.85	1.62	0.00
27.80	3.85	1.62	0.00	30.40	3.85	1.62	0.00
27.85	3.85	1.62	0.00	30.45	3.85	1.62	0.00
27.90	3.85	1.62	0.00	30.50	3.85	1.62	0.00
27.95	3.85	1.62	0.00	30.55	3.85	1.62	0.00
28.00	3.85	1.62	0.00	30.60	3.85	1.62	0.00
28.05	3.85	1.62	0.00	30.65	3.85	1.62	0.00
28.10	3.85	1.62	0.00	30.70	3.85	1.62	0.00
28.15	3.85	1.62	0.00	30.75	3.85	1.62	0.00
28.20	3.85	1.62	0.00	30.80	3.85	1.62	0.00
28.25	3.85	1.62	0.00	30.85	3.85	1.62	0.00
28.30	3.85	1.62	0.00	30.90	3.85	1.62	0.00
28.35	3.85	1.62	0.00	30.95	3.85	1.62	0.00
28.40	3.85	1.62	0.00	31.00	3.85	1.62	0.00
28.45	3.85	1.62	0.00	31.05	3.85	1.62	0.00
28.50	3.85	1.62	0.00	31.10	3.85	1.62	0.00
28.55	3.85	1.62	0.00	31.15	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.62	0.00	33.80	3.85	1.62	0.00
31.25	3.85	1.62	0.00	33.85	3.85	1.62	0.00
31.30	3.85	1.62	0.00	33.90	3.85	1.62	0.00
31.35	3.85	1.62	0.00	33.95	3.85	1.62	0.00
31.40	3.85	1.62	0.00	34.00	3.85	1.62	0.00
31.45	3.85	1.62	0.00	34.05	3.85	1.62	0.00
31.50	3.85	1.62	0.00	34.10	3.85	1.62	0.00
31.55	3.85	1.62	0.00	34.15	3.85	1.62	0.00
31.60	3.85	1.62	0.00	34.20	3.85	1.62	0.00
31.65	3.85	1.62	0.00	34.25	3.85	1.62	0.00
31.70	3.85	1.62	0.00	34.30	3.85	1.62	0.00
31.75	3.85	1.62	0.00	34.35	3.85	1.62	0.00
31.80	3.85	1.62	0.00	34.40	3.85	1.62	0.00
31.85	3.85	1.62	0.00	34.45	3.85	1.62	0.00
31.90	3.85	1.62	0.00	34.50	3.85	1.62	0.00
31.95	3.85	1.62	0.00	34.55	3.85	1.62	0.00
32.00	3.85	1.62	0.00	34.60	3.85	1.62	0.00
32.05	3.85	1.62	0.00	34.65	3.85	1.62	0.00
32.10	3.85	1.62	0.00	34.70	3.85	1.62	0.00
32.15	3.85	1.62	0.00	34.75	3.85	1.62	0.00
32.20	3.85	1.62	0.00	34.80	3.85	1.62	0.00
32.25	3.85	1.62	0.00	34.85	3.85	1.62	0.00
32.30	3.85	1.62	0.00	34.90	3.85	1.62	0.00
32.35	3.85	1.62	0.00	34.95	3.85	1.62	0.00
32.40	3.85	1.62	0.00	35.00	3.85	1.62	0.00
32.45	3.85	1.62	0.00	35.05	3.85	1.62	0.00
32.50	3.85	1.62	0.00	35.10	3.85	1.62	0.00
32.55	3.85	1.62	0.00	35.15	3.85	1.62	0.00
32.60	3.85	1.62	0.00	35.20	3.85	1.62	0.00
32.65	3.85	1.62	0.00	35.25	3.85	1.62	0.00
32.70	3.85	1.62	0.00	35.30	3.85	1.62	0.00
32.75	3.85	1.62	0.00	35.35	3.85	1.62	0.00
32.80	3.85	1.62	0.00	35.40	3.85	1.62	0.00
32.85	3.85	1.62	0.00	35.45	3.85	1.62	0.00
32.90	3.85	1.62	0.00	35.50	3.85	1.62	0.00
32.95	3.85	1.62	0.00	35.55	3.85	1.62	0.00
33.00	3.85	1.62	0.00	35.60	3.85	1.62	0.00
33.05	3.85	1.62	0.00	35.65	3.85	1.62	0.00
33.10	3.85	1.62	0.00	35.70	3.85	1.62	0.00
33.15	3.85	1.62	0.00	35.75	3.85	1.62	0.00
33.20	3.85	1.62	0.00	35.80	3.85	1.62	0.00
33.25	3.85	1.62	0.00	35.85	3.85	1.62	0.00
33.30	3.85	1.62	0.00	35.90	3.85	1.62	0.00
33.35	3.85	1.62	0.00	35.95	3.85	1.62	0.00
33.40	3.85	1.62	0.00	36.00	3.85	1.62	0.00
33.45	3.85	1.62	0.00	36.05	3.85	1.62	0.00
33.50	3.85	1.62	0.00	36.10	3.85	1.62	0.00
33.55	3.85	1.62	0.00	36.15	3.85	1.62	0.00
33.60	3.85	1.62	0.00	36.20	3.85	1.62	0.00
33.65	3.85	1.62	0.00	36.25	3.85	1.62	0.00
33.70	3.85	1.62	0.00	36.30	3.85	1.62	0.00
33.75	3.85	1.62	0.00	36.35	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.62	0.00	39.00	3.85	1.62	0.00
36.45	3.85	1.62	0.00	39.05	3.85	1.62	0.00
36.50	3.85	1.62	0.00	39.10	3.85	1.62	0.00
36.55	3.85	1.62	0.00	39.15	3.85	1.62	0.00
36.60	3.85	1.62	0.00	39.20	3.85	1.62	0.00
36.65	3.85	1.62	0.00	39.25	3.85	1.62	0.00
36.70	3.85	1.62	0.00	39.30	3.85	1.62	0.00
36.75	3.85	1.62	0.00	39.35	3.85	1.62	0.00
36.80	3.85	1.62	0.00	39.40	3.85	1.62	0.00
36.85	3.85	1.62	0.00	39.45	3.85	1.62	0.00
36.90	3.85	1.62	0.00	39.50	3.85	1.62	0.00
36.95	3.85	1.62	0.00	39.55	3.85	1.62	0.00
37.00	3.85	1.62	0.00	39.60	3.85	1.62	0.00
37.05	3.85	1.62	0.00	39.65	3.85	1.62	0.00
37.10	3.85	1.62	0.00	39.70	3.85	1.62	0.00
37.15	3.85	1.62	0.00	39.75	3.85	1.62	0.00
37.20	3.85	1.62	0.00	39.80	3.85	1.62	0.00
37.25	3.85	1.62	0.00	39.85	3.85	1.62	0.00
37.30	3.85	1.62	0.00	39.90	3.85	1.62	0.00
37.35	3.85	1.62	0.00	39.95	3.85	1.62	0.00
37.40	3.85	1.62	0.00	40.00	3.85	1.62	0.00
37.45	3.85	1.62	0.00				
37.50	3.85	1.62	0.00				
37.55	3.85	1.62	0.00				
37.60	3.85	1.62	0.00				
37.65	3.85	1.62	0.00				
37.70	3.85	1.62	0.00				
37.75	3.85	1.62	0.00				
37.80	3.85	1.62	0.00				
37.85	3.85	1.62	0.00				
37.90	3.85	1.62	0.00				
37.95	3.85	1.62	0.00				
38.00	3.85	1.62	0.00				
38.05	3.85	1.62	0.00				
38.10	3.85	1.62	0.00				
38.15	3.85	1.62	0.00				
38.20	3.85	1.62	0.00				
38.25	3.85	1.62	0.00				
38.30	3.85	1.62	0.00				
38.35	3.85	1.62	0.00				
38.40	3.85	1.62	0.00				
38.45	3.85	1.62	0.00				
38.50	3.85	1.62	0.00				
38.55	3.85	1.62	0.00				
38.60	3.85	1.62	0.00				
38.65	3.85	1.62	0.00				
38.70	3.85	1.62	0.00				
38.75	3.85	1.62	0.00				
38.80	3.85	1.62	0.00				
38.85	3.85	1.62	0.00				
38.90	3.85	1.62	0.00				
38.95	3.85	1.62	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 33.12 cfs @ 12.19 hrs, Volume= 2.652 af, Depth= 1.05"
Routed to Link XDA-4 : Existing Drainage Area #4

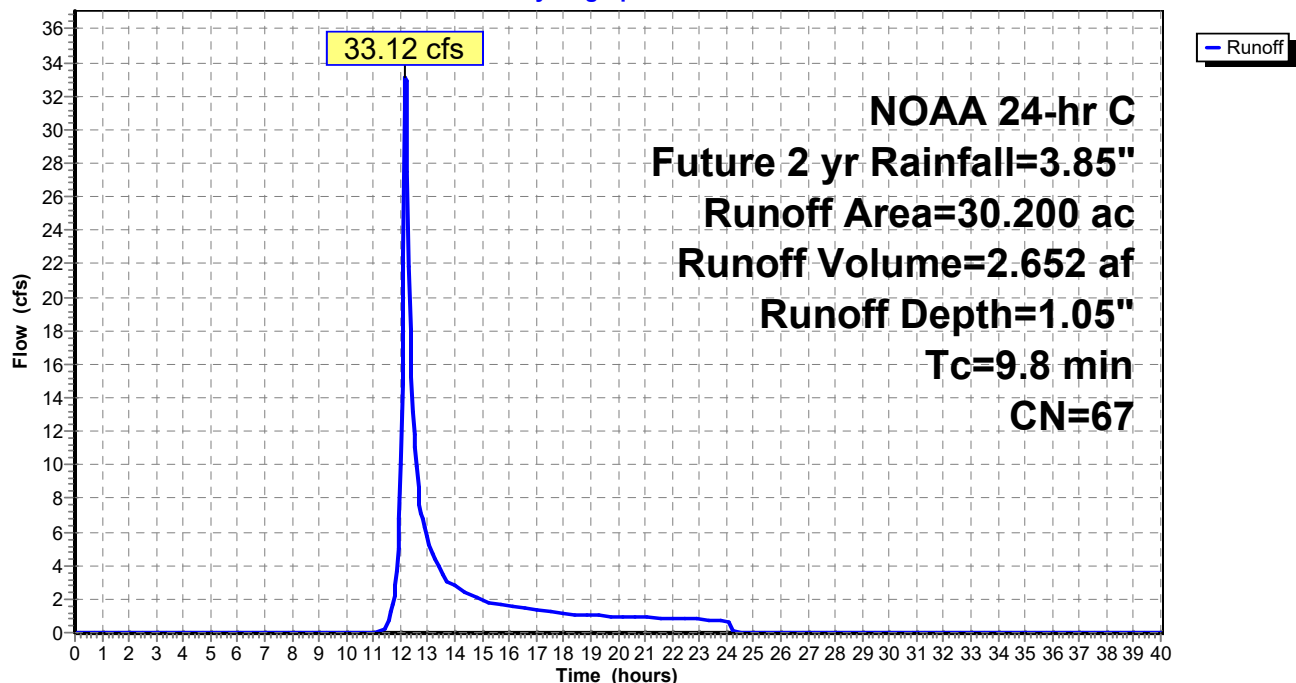
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.55	5.64
10.45	0.78	0.00	0.00	13.05	2.94	0.56	5.37
10.50	0.79	0.00	0.00	13.10	2.96	0.56	5.10
10.55	0.80	0.00	0.00	13.15	2.97	0.57	4.83
10.60	0.82	0.00	0.00	13.20	2.98	0.58	4.61
10.65	0.83	0.00	0.00	13.25	3.00	0.58	4.43
10.70	0.84	0.00	0.00	13.30	3.01	0.59	4.26
10.75	0.85	0.00	0.00	13.35	3.02	0.60	4.10
10.80	0.87	0.00	0.00	13.40	3.03	0.60	3.95
10.85	0.88	0.00	0.00	13.45	3.05	0.61	3.79
10.90	0.89	0.00	0.00	13.50	3.06	0.61	3.64
10.95	0.91	0.00	0.00	13.55	3.07	0.62	3.48
11.00	0.92	0.00	0.00	13.60	3.08	0.62	3.32
11.05	0.94	0.00	0.00	13.65	3.09	0.63	3.17
11.10	0.96	0.00	0.00	13.70	3.09	0.63	3.06
11.15	0.98	0.00	0.00	13.75	3.10	0.64	2.99
11.20	1.00	0.00	0.00	13.80	3.11	0.64	2.94
11.25	1.02	0.00	0.01	13.85	3.12	0.65	2.89
11.30	1.04	0.00	0.04	13.90	3.13	0.65	2.85
11.35	1.06	0.00	0.10	13.95	3.14	0.66	2.81
11.40	1.09	0.00	0.20	14.00	3.15	0.66	2.77
11.45	1.11	0.00	0.32	14.05	3.16	0.66	2.73
11.50	1.14	0.00	0.46	14.10	3.16	0.67	2.69
11.55	1.18	0.01	0.62	14.15	3.17	0.67	2.65
11.60	1.22	0.01	0.90	14.20	3.18	0.68	2.61
11.65	1.26	0.01	1.29	14.25	3.19	0.68	2.58
11.70	1.30	0.02	1.71	14.30	3.20	0.68	2.54
11.75	1.35	0.03	2.15	14.35	3.20	0.69	2.49
11.80	1.41	0.03	2.80	14.40	3.21	0.69	2.45
11.85	1.49	0.05	3.70	14.45	3.22	0.70	2.41
11.90	1.57	0.06	4.99	14.50	3.23	0.70	2.37
11.95	1.70	0.09	6.84	14.55	3.23	0.70	2.33
12.00	1.83	0.13	10.00	14.60	3.24	0.71	2.29
12.05	2.06	0.19	14.82	14.65	3.25	0.71	2.24
12.10	2.28	0.27	22.57	14.70	3.25	0.71	2.20
12.15	2.36	0.30	31.27	14.75	3.26	0.72	2.16
12.20	2.44	0.33	32.86	14.80	3.26	0.72	2.12
12.25	2.50	0.35	27.49	14.85	3.27	0.72	2.07
12.30	2.55	0.38	21.84	14.90	3.28	0.73	2.03
12.35	2.59	0.40	18.04	14.95	3.28	0.73	1.99
12.40	2.63	0.41	15.25	15.00	3.29	0.73	1.94
12.45	2.67	0.43	13.15	15.05	3.29	0.74	1.90
12.50	2.71	0.45	11.85	15.10	3.30	0.74	1.85
12.55	2.74	0.46	11.06	15.15	3.30	0.74	1.81
12.60	2.76	0.47	9.96	15.20	3.31	0.75	1.78
12.65	2.79	0.48	8.63	15.25	3.31	0.75	1.76
12.70	2.81	0.49	7.67	15.30	3.32	0.75	1.75
12.75	2.83	0.50	7.14	15.35	3.32	0.75	1.73
12.80	2.85	0.51	6.76	15.40	3.33	0.76	1.72
12.85	2.87	0.52	6.46	15.45	3.34	0.76	1.71
12.90	2.89	0.53	6.18	15.50	3.34	0.76	1.70
12.95	2.91	0.54	5.91	15.55	3.35	0.76	1.69

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.77	1.68	18.20	3.56	0.88	1.08
15.65	3.36	0.77	1.67	18.25	3.56	0.88	1.07
15.70	3.36	0.77	1.66	18.30	3.56	0.89	1.07
15.75	3.36	0.78	1.65	18.35	3.57	0.89	1.06
15.80	3.37	0.78	1.63	18.40	3.57	0.89	1.06
15.85	3.37	0.78	1.62	18.45	3.57	0.89	1.06
15.90	3.38	0.78	1.61	18.50	3.58	0.89	1.06
15.95	3.38	0.79	1.60	18.55	3.58	0.89	1.05
16.00	3.39	0.79	1.59	18.60	3.58	0.90	1.05
16.05	3.39	0.79	1.58	18.65	3.58	0.90	1.05
16.10	3.40	0.79	1.57	18.70	3.59	0.90	1.04
16.15	3.40	0.80	1.56	18.75	3.59	0.90	1.04
16.20	3.41	0.80	1.55	18.80	3.59	0.90	1.04
16.25	3.41	0.80	1.54	18.85	3.60	0.90	1.04
16.30	3.42	0.80	1.53	18.90	3.60	0.91	1.03
16.35	3.42	0.81	1.51	18.95	3.60	0.91	1.03
16.40	3.42	0.81	1.50	19.00	3.61	0.91	1.03
16.45	3.43	0.81	1.49	19.05	3.61	0.91	1.02
16.50	3.43	0.81	1.48	19.10	3.61	0.91	1.02
16.55	3.44	0.82	1.47	19.15	3.61	0.91	1.02
16.60	3.44	0.82	1.46	19.20	3.62	0.92	1.02
16.65	3.45	0.82	1.45	19.25	3.62	0.92	1.01
16.70	3.45	0.82	1.44	19.30	3.62	0.92	1.01
16.75	3.45	0.82	1.42	19.35	3.63	0.92	1.01
16.80	3.46	0.83	1.41	19.40	3.63	0.92	1.01
16.85	3.46	0.83	1.40	19.45	3.63	0.92	1.00
16.90	3.47	0.83	1.39	19.50	3.63	0.93	1.00
16.95	3.47	0.83	1.38	19.55	3.64	0.93	1.00
17.00	3.47	0.84	1.36	19.60	3.64	0.93	0.99
17.05	3.48	0.84	1.35	19.65	3.64	0.93	0.99
17.10	3.48	0.84	1.34	19.70	3.65	0.93	0.99
17.15	3.49	0.84	1.33	19.75	3.65	0.93	0.99
17.20	3.49	0.84	1.32	19.80	3.65	0.94	0.98
17.25	3.49	0.85	1.31	19.85	3.65	0.94	0.98
17.30	3.50	0.85	1.29	19.90	3.66	0.94	0.98
17.35	3.50	0.85	1.28	19.95	3.66	0.94	0.98
17.40	3.50	0.85	1.27	20.00	3.66	0.94	0.97
17.45	3.51	0.85	1.26	20.05	3.66	0.94	0.97
17.50	3.51	0.86	1.24	20.10	3.67	0.95	0.97
17.55	3.52	0.86	1.23	20.15	3.67	0.95	0.96
17.60	3.52	0.86	1.22	20.20	3.67	0.95	0.96
17.65	3.52	0.86	1.21	20.25	3.68	0.95	0.96
17.70	3.53	0.86	1.20	20.30	3.68	0.95	0.95
17.75	3.53	0.87	1.18	20.35	3.68	0.95	0.95
17.80	3.53	0.87	1.17	20.40	3.68	0.95	0.95
17.85	3.54	0.87	1.16	20.45	3.69	0.96	0.95
17.90	3.54	0.87	1.15	20.50	3.69	0.96	0.94
17.95	3.54	0.87	1.13	20.55	3.69	0.96	0.94
18.00	3.54	0.88	1.12	20.60	3.69	0.96	0.94
18.05	3.55	0.88	1.11	20.65	3.70	0.96	0.94
18.10	3.55	0.88	1.10	20.70	3.70	0.96	0.93
18.15	3.55	0.88	1.08	20.75	3.70	0.97	0.93

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.97	0.93	23.40	3.82	1.04	0.76
20.85	3.71	0.97	0.92	23.45	3.83	1.04	0.76
20.90	3.71	0.97	0.92	23.50	3.83	1.04	0.76
20.95	3.71	0.97	0.92	23.55	3.83	1.04	0.76
21.00	3.71	0.97	0.91	23.60	3.83	1.04	0.75
21.05	3.72	0.97	0.91	23.65	3.84	1.04	0.75
21.10	3.72	0.98	0.91	23.70	3.84	1.05	0.75
21.15	3.72	0.98	0.90	23.75	3.84	1.05	0.74
21.20	3.72	0.98	0.90	23.80	3.84	1.05	0.74
21.25	3.73	0.98	0.90	23.85	3.84	1.05	0.74
21.30	3.73	0.98	0.90	23.90	3.85	1.05	0.73
21.35	3.73	0.98	0.90	23.95	3.85	1.05	0.73
21.40	3.73	0.98	0.89	24.00	3.85	1.05	0.77
21.45	3.74	0.99	0.89	24.05	3.85	1.05	0.79
21.50	3.74	0.99	0.88	24.10	3.85	1.05	0.64
21.55	3.74	0.99	0.88	24.15	3.85	1.05	0.37
21.60	3.74	0.99	0.88	24.20	3.85	1.05	0.18
21.65	3.75	0.99	0.87	24.25	3.85	1.05	0.08
21.70	3.75	0.99	0.87	24.30	3.85	1.05	0.04
21.75	3.75	0.99	0.87	24.35	3.85	1.05	0.02
21.80	3.75	1.00	0.87	24.40	3.85	1.05	0.01
21.85	3.76	1.00	0.86	24.45	3.85	1.05	0.00
21.90	3.76	1.00	0.86	24.50	3.85	1.05	0.00
21.95	3.76	1.00	0.86	24.55	3.85	1.05	0.00
22.00	3.76	1.00	0.85	24.60	3.85	1.05	0.00
22.05	3.77	1.00	0.85	24.65	3.85	1.05	0.00
22.10	3.77	1.00	0.85	24.70	3.85	1.05	0.00
22.15	3.77	1.01	0.84	24.75	3.85	1.05	0.00
22.20	3.77	1.01	0.84	24.80	3.85	1.05	0.00
22.25	3.77	1.01	0.84	24.85	3.85	1.05	0.00
22.30	3.78	1.01	0.84	24.90	3.85	1.05	0.00
22.35	3.78	1.01	0.83	24.95	3.85	1.05	0.00
22.40	3.78	1.01	0.83	25.00	3.85	1.05	0.00
22.45	3.78	1.01	0.82	25.05	3.85	1.05	0.00
22.50	3.79	1.02	0.82	25.10	3.85	1.05	0.00
22.55	3.79	1.02	0.82	25.15	3.85	1.05	0.00
22.60	3.79	1.02	0.82	25.20	3.85	1.05	0.00
22.65	3.79	1.02	0.81	25.25	3.85	1.05	0.00
22.70	3.79	1.02	0.81	25.30	3.85	1.05	0.00
22.75	3.80	1.02	0.81	25.35	3.85	1.05	0.00
22.80	3.80	1.02	0.80	25.40	3.85	1.05	0.00
22.85	3.80	1.02	0.80	25.45	3.85	1.05	0.00
22.90	3.80	1.03	0.80	25.50	3.85	1.05	0.00
22.95	3.81	1.03	0.79	25.55	3.85	1.05	0.00
23.00	3.81	1.03	0.79	25.60	3.85	1.05	0.00
23.05	3.81	1.03	0.79	25.65	3.85	1.05	0.00
23.10	3.81	1.03	0.79	25.70	3.85	1.05	0.00
23.15	3.81	1.03	0.78	25.75	3.85	1.05	0.00
23.20	3.82	1.03	0.78	25.80	3.85	1.05	0.00
23.25	3.82	1.03	0.77	25.85	3.85	1.05	0.00
23.30	3.82	1.04	0.77	25.90	3.85	1.05	0.00
23.35	3.82	1.04	0.77	25.95	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.05	0.00	28.60	3.85	1.05	0.00
26.05	3.85	1.05	0.00	28.65	3.85	1.05	0.00
26.10	3.85	1.05	0.00	28.70	3.85	1.05	0.00
26.15	3.85	1.05	0.00	28.75	3.85	1.05	0.00
26.20	3.85	1.05	0.00	28.80	3.85	1.05	0.00
26.25	3.85	1.05	0.00	28.85	3.85	1.05	0.00
26.30	3.85	1.05	0.00	28.90	3.85	1.05	0.00
26.35	3.85	1.05	0.00	28.95	3.85	1.05	0.00
26.40	3.85	1.05	0.00	29.00	3.85	1.05	0.00
26.45	3.85	1.05	0.00	29.05	3.85	1.05	0.00
26.50	3.85	1.05	0.00	29.10	3.85	1.05	0.00
26.55	3.85	1.05	0.00	29.15	3.85	1.05	0.00
26.60	3.85	1.05	0.00	29.20	3.85	1.05	0.00
26.65	3.85	1.05	0.00	29.25	3.85	1.05	0.00
26.70	3.85	1.05	0.00	29.30	3.85	1.05	0.00
26.75	3.85	1.05	0.00	29.35	3.85	1.05	0.00
26.80	3.85	1.05	0.00	29.40	3.85	1.05	0.00
26.85	3.85	1.05	0.00	29.45	3.85	1.05	0.00
26.90	3.85	1.05	0.00	29.50	3.85	1.05	0.00
26.95	3.85	1.05	0.00	29.55	3.85	1.05	0.00
27.00	3.85	1.05	0.00	29.60	3.85	1.05	0.00
27.05	3.85	1.05	0.00	29.65	3.85	1.05	0.00
27.10	3.85	1.05	0.00	29.70	3.85	1.05	0.00
27.15	3.85	1.05	0.00	29.75	3.85	1.05	0.00
27.20	3.85	1.05	0.00	29.80	3.85	1.05	0.00
27.25	3.85	1.05	0.00	29.85	3.85	1.05	0.00
27.30	3.85	1.05	0.00	29.90	3.85	1.05	0.00
27.35	3.85	1.05	0.00	29.95	3.85	1.05	0.00
27.40	3.85	1.05	0.00	30.00	3.85	1.05	0.00
27.45	3.85	1.05	0.00	30.05	3.85	1.05	0.00
27.50	3.85	1.05	0.00	30.10	3.85	1.05	0.00
27.55	3.85	1.05	0.00	30.15	3.85	1.05	0.00
27.60	3.85	1.05	0.00	30.20	3.85	1.05	0.00
27.65	3.85	1.05	0.00	30.25	3.85	1.05	0.00
27.70	3.85	1.05	0.00	30.30	3.85	1.05	0.00
27.75	3.85	1.05	0.00	30.35	3.85	1.05	0.00
27.80	3.85	1.05	0.00	30.40	3.85	1.05	0.00
27.85	3.85	1.05	0.00	30.45	3.85	1.05	0.00
27.90	3.85	1.05	0.00	30.50	3.85	1.05	0.00
27.95	3.85	1.05	0.00	30.55	3.85	1.05	0.00
28.00	3.85	1.05	0.00	30.60	3.85	1.05	0.00
28.05	3.85	1.05	0.00	30.65	3.85	1.05	0.00
28.10	3.85	1.05	0.00	30.70	3.85	1.05	0.00
28.15	3.85	1.05	0.00	30.75	3.85	1.05	0.00
28.20	3.85	1.05	0.00	30.80	3.85	1.05	0.00
28.25	3.85	1.05	0.00	30.85	3.85	1.05	0.00
28.30	3.85	1.05	0.00	30.90	3.85	1.05	0.00
28.35	3.85	1.05	0.00	30.95	3.85	1.05	0.00
28.40	3.85	1.05	0.00	31.00	3.85	1.05	0.00
28.45	3.85	1.05	0.00	31.05	3.85	1.05	0.00
28.50	3.85	1.05	0.00	31.10	3.85	1.05	0.00
28.55	3.85	1.05	0.00	31.15	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.05	0.00	33.80	3.85	1.05	0.00
31.25	3.85	1.05	0.00	33.85	3.85	1.05	0.00
31.30	3.85	1.05	0.00	33.90	3.85	1.05	0.00
31.35	3.85	1.05	0.00	33.95	3.85	1.05	0.00
31.40	3.85	1.05	0.00	34.00	3.85	1.05	0.00
31.45	3.85	1.05	0.00	34.05	3.85	1.05	0.00
31.50	3.85	1.05	0.00	34.10	3.85	1.05	0.00
31.55	3.85	1.05	0.00	34.15	3.85	1.05	0.00
31.60	3.85	1.05	0.00	34.20	3.85	1.05	0.00
31.65	3.85	1.05	0.00	34.25	3.85	1.05	0.00
31.70	3.85	1.05	0.00	34.30	3.85	1.05	0.00
31.75	3.85	1.05	0.00	34.35	3.85	1.05	0.00
31.80	3.85	1.05	0.00	34.40	3.85	1.05	0.00
31.85	3.85	1.05	0.00	34.45	3.85	1.05	0.00
31.90	3.85	1.05	0.00	34.50	3.85	1.05	0.00
31.95	3.85	1.05	0.00	34.55	3.85	1.05	0.00
32.00	3.85	1.05	0.00	34.60	3.85	1.05	0.00
32.05	3.85	1.05	0.00	34.65	3.85	1.05	0.00
32.10	3.85	1.05	0.00	34.70	3.85	1.05	0.00
32.15	3.85	1.05	0.00	34.75	3.85	1.05	0.00
32.20	3.85	1.05	0.00	34.80	3.85	1.05	0.00
32.25	3.85	1.05	0.00	34.85	3.85	1.05	0.00
32.30	3.85	1.05	0.00	34.90	3.85	1.05	0.00
32.35	3.85	1.05	0.00	34.95	3.85	1.05	0.00
32.40	3.85	1.05	0.00	35.00	3.85	1.05	0.00
32.45	3.85	1.05	0.00	35.05	3.85	1.05	0.00
32.50	3.85	1.05	0.00	35.10	3.85	1.05	0.00
32.55	3.85	1.05	0.00	35.15	3.85	1.05	0.00
32.60	3.85	1.05	0.00	35.20	3.85	1.05	0.00
32.65	3.85	1.05	0.00	35.25	3.85	1.05	0.00
32.70	3.85	1.05	0.00	35.30	3.85	1.05	0.00
32.75	3.85	1.05	0.00	35.35	3.85	1.05	0.00
32.80	3.85	1.05	0.00	35.40	3.85	1.05	0.00
32.85	3.85	1.05	0.00	35.45	3.85	1.05	0.00
32.90	3.85	1.05	0.00	35.50	3.85	1.05	0.00
32.95	3.85	1.05	0.00	35.55	3.85	1.05	0.00
33.00	3.85	1.05	0.00	35.60	3.85	1.05	0.00
33.05	3.85	1.05	0.00	35.65	3.85	1.05	0.00
33.10	3.85	1.05	0.00	35.70	3.85	1.05	0.00
33.15	3.85	1.05	0.00	35.75	3.85	1.05	0.00
33.20	3.85	1.05	0.00	35.80	3.85	1.05	0.00
33.25	3.85	1.05	0.00	35.85	3.85	1.05	0.00
33.30	3.85	1.05	0.00	35.90	3.85	1.05	0.00
33.35	3.85	1.05	0.00	35.95	3.85	1.05	0.00
33.40	3.85	1.05	0.00	36.00	3.85	1.05	0.00
33.45	3.85	1.05	0.00	36.05	3.85	1.05	0.00
33.50	3.85	1.05	0.00	36.10	3.85	1.05	0.00
33.55	3.85	1.05	0.00	36.15	3.85	1.05	0.00
33.60	3.85	1.05	0.00	36.20	3.85	1.05	0.00
33.65	3.85	1.05	0.00	36.25	3.85	1.05	0.00
33.70	3.85	1.05	0.00	36.30	3.85	1.05	0.00
33.75	3.85	1.05	0.00	36.35	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.05	0.00	39.00	3.85	1.05	0.00
36.45	3.85	1.05	0.00	39.05	3.85	1.05	0.00
36.50	3.85	1.05	0.00	39.10	3.85	1.05	0.00
36.55	3.85	1.05	0.00	39.15	3.85	1.05	0.00
36.60	3.85	1.05	0.00	39.20	3.85	1.05	0.00
36.65	3.85	1.05	0.00	39.25	3.85	1.05	0.00
36.70	3.85	1.05	0.00	39.30	3.85	1.05	0.00
36.75	3.85	1.05	0.00	39.35	3.85	1.05	0.00
36.80	3.85	1.05	0.00	39.40	3.85	1.05	0.00
36.85	3.85	1.05	0.00	39.45	3.85	1.05	0.00
36.90	3.85	1.05	0.00	39.50	3.85	1.05	0.00
36.95	3.85	1.05	0.00	39.55	3.85	1.05	0.00
37.00	3.85	1.05	0.00	39.60	3.85	1.05	0.00
37.05	3.85	1.05	0.00	39.65	3.85	1.05	0.00
37.10	3.85	1.05	0.00	39.70	3.85	1.05	0.00
37.15	3.85	1.05	0.00	39.75	3.85	1.05	0.00
37.20	3.85	1.05	0.00	39.80	3.85	1.05	0.00
37.25	3.85	1.05	0.00	39.85	3.85	1.05	0.00
37.30	3.85	1.05	0.00	39.90	3.85	1.05	0.00
37.35	3.85	1.05	0.00	39.95	3.85	1.05	0.00
37.40	3.85	1.05	0.00	40.00	3.85	1.05	0.00
37.45	3.85	1.05	0.00				
37.50	3.85	1.05	0.00				
37.55	3.85	1.05	0.00				
37.60	3.85	1.05	0.00				
37.65	3.85	1.05	0.00				
37.70	3.85	1.05	0.00				
37.75	3.85	1.05	0.00				
37.80	3.85	1.05	0.00				
37.85	3.85	1.05	0.00				
37.90	3.85	1.05	0.00				
37.95	3.85	1.05	0.00				
38.00	3.85	1.05	0.00				
38.05	3.85	1.05	0.00				
38.10	3.85	1.05	0.00				
38.15	3.85	1.05	0.00				
38.20	3.85	1.05	0.00				
38.25	3.85	1.05	0.00				
38.30	3.85	1.05	0.00				
38.35	3.85	1.05	0.00				
38.40	3.85	1.05	0.00				
38.45	3.85	1.05	0.00				
38.50	3.85	1.05	0.00				
38.55	3.85	1.05	0.00				
38.60	3.85	1.05	0.00				
38.65	3.85	1.05	0.00				
38.70	3.85	1.05	0.00				
38.75	3.85	1.05	0.00				
38.80	3.85	1.05	0.00				
38.85	3.85	1.05	0.00				
38.90	3.85	1.05	0.00				
38.95	3.85	1.05	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 15.67 cfs @ 12.16 hrs, Volume= 1.135 af, Depth= 1.56"
Routed to Link XDA-5 : Existing Drainage Area #5

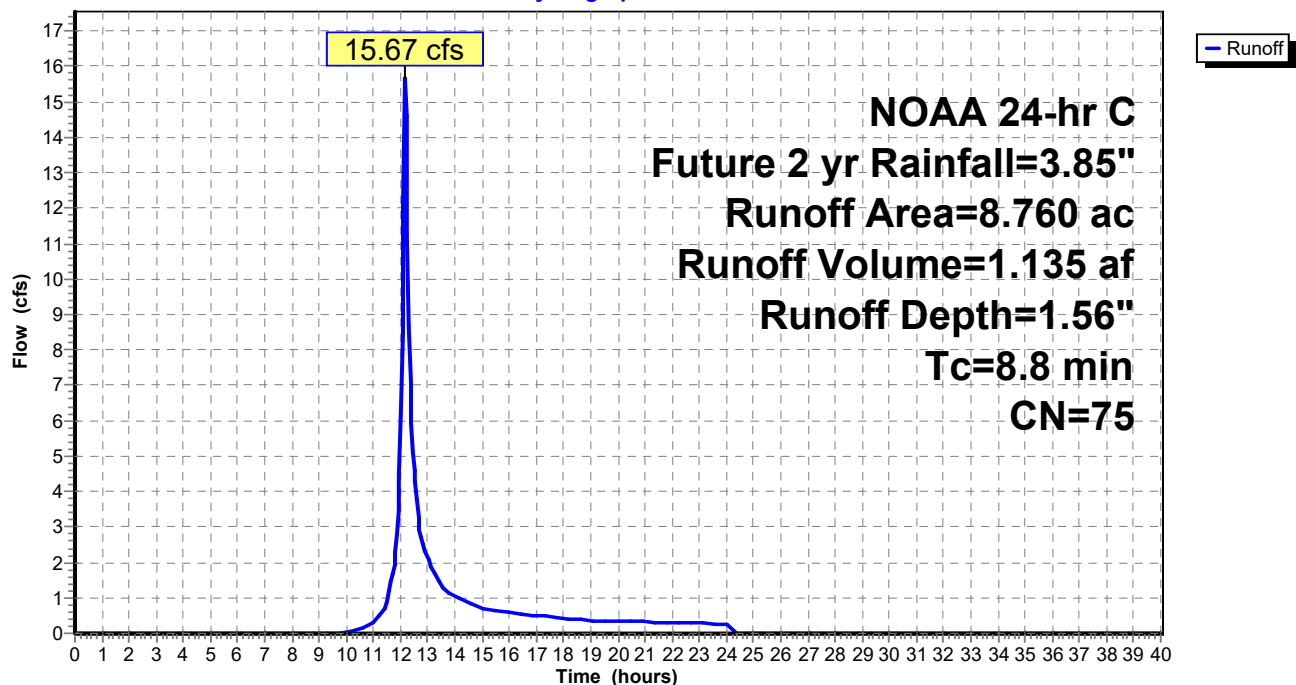
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.01
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.01
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.02
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.03
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.03
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.04
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.05
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.06
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.07

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.08	13.00	2.93	0.91	2.15
10.45	0.78	0.00	0.09	13.05	2.94	0.92	2.05
10.50	0.79	0.00	0.10	13.10	2.96	0.93	1.93
10.55	0.80	0.01	0.11	13.15	2.97	0.94	1.83
10.60	0.82	0.01	0.12	13.20	2.98	0.95	1.75
10.65	0.83	0.01	0.14	13.25	3.00	0.96	1.68
10.70	0.84	0.01	0.16	13.30	3.01	0.97	1.61
10.75	0.85	0.01	0.18	13.35	3.02	0.98	1.55
10.80	0.87	0.01	0.20	13.40	3.03	0.98	1.49
10.85	0.88	0.01	0.22	13.45	3.05	0.99	1.43
10.90	0.89	0.01	0.25	13.50	3.06	1.00	1.37
10.95	0.91	0.02	0.27	13.55	3.07	1.00	1.31
11.00	0.92	0.02	0.30	13.60	3.08	1.01	1.24
11.05	0.94	0.02	0.33	13.65	3.09	1.02	1.19
11.10	0.96	0.02	0.37	13.70	3.09	1.02	1.15
11.15	0.98	0.03	0.42	13.75	3.10	1.03	1.13
11.20	1.00	0.03	0.47	13.80	3.11	1.04	1.11
11.25	1.02	0.03	0.52	13.85	3.12	1.04	1.09
11.30	1.04	0.04	0.58	13.90	3.13	1.05	1.07
11.35	1.06	0.04	0.64	13.95	3.14	1.05	1.06
11.40	1.09	0.05	0.71	14.00	3.15	1.06	1.04
11.45	1.11	0.05	0.79	14.05	3.16	1.06	1.03
11.50	1.14	0.06	0.86	14.10	3.16	1.07	1.01
11.55	1.18	0.07	0.96	14.15	3.17	1.08	0.99
11.60	1.22	0.08	1.18	14.20	3.18	1.08	0.98
11.65	1.26	0.09	1.46	14.25	3.19	1.09	0.96
11.70	1.30	0.10	1.69	14.30	3.20	1.09	0.95
11.75	1.35	0.12	1.91	14.35	3.20	1.10	0.93
11.80	1.41	0.14	2.28	14.40	3.21	1.10	0.92
11.85	1.49	0.16	2.79	14.45	3.22	1.11	0.90
11.90	1.57	0.19	3.49	14.50	3.23	1.11	0.88
11.95	1.70	0.24	4.45	14.55	3.23	1.12	0.87
12.00	1.83	0.30	6.14	14.60	3.24	1.12	0.85
12.05	2.06	0.41	8.52	14.65	3.25	1.12	0.83
12.10	2.28	0.53	12.14	14.70	3.25	1.13	0.82
12.15	2.36	0.57	15.50	14.75	3.26	1.13	0.80
12.20	2.44	0.62	14.59	14.80	3.26	1.14	0.78
12.25	2.50	0.65	11.22	14.85	3.27	1.14	0.77
12.30	2.55	0.68	8.67	14.90	3.28	1.15	0.75
12.35	2.59	0.71	7.06	14.95	3.28	1.15	0.73
12.40	2.63	0.73	5.91	15.00	3.29	1.15	0.72
12.45	2.67	0.75	5.07	15.05	3.29	1.16	0.70
12.50	2.71	0.78	4.60	15.10	3.30	1.16	0.68
12.55	2.74	0.79	4.30	15.15	3.30	1.16	0.67
12.60	2.76	0.81	3.80	15.20	3.31	1.17	0.66
12.65	2.79	0.82	3.26	15.25	3.31	1.17	0.65
12.70	2.81	0.84	2.93	15.30	3.32	1.18	0.65
12.75	2.83	0.85	2.74	15.35	3.32	1.18	0.64
12.80	2.85	0.87	2.60	15.40	3.33	1.18	0.64
12.85	2.87	0.88	2.48	15.45	3.34	1.19	0.63
12.90	2.89	0.89	2.37	15.50	3.34	1.19	0.63
12.95	2.91	0.90	2.26	15.55	3.35	1.19	0.62

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.20	0.62	18.20	3.56	1.34	0.39
15.65	3.36	1.20	0.62	18.25	3.56	1.34	0.39
15.70	3.36	1.20	0.61	18.30	3.56	1.35	0.39
15.75	3.36	1.21	0.61	18.35	3.57	1.35	0.39
15.80	3.37	1.21	0.60	18.40	3.57	1.35	0.39
15.85	3.37	1.21	0.60	18.45	3.57	1.35	0.38
15.90	3.38	1.22	0.59	18.50	3.58	1.36	0.38
15.95	3.38	1.22	0.59	18.55	3.58	1.36	0.38
16.00	3.39	1.22	0.59	18.60	3.58	1.36	0.38
16.05	3.39	1.23	0.58	18.65	3.58	1.36	0.38
16.10	3.40	1.23	0.58	18.70	3.59	1.36	0.38
16.15	3.40	1.23	0.57	18.75	3.59	1.37	0.38
16.20	3.41	1.24	0.57	18.80	3.59	1.37	0.38
16.25	3.41	1.24	0.57	18.85	3.60	1.37	0.38
16.30	3.42	1.24	0.56	18.90	3.60	1.37	0.37
16.35	3.42	1.25	0.56	18.95	3.60	1.37	0.37
16.40	3.42	1.25	0.55	19.00	3.61	1.38	0.37
16.45	3.43	1.25	0.55	19.05	3.61	1.38	0.37
16.50	3.43	1.25	0.54	19.10	3.61	1.38	0.37
16.55	3.44	1.26	0.54	19.15	3.61	1.38	0.37
16.60	3.44	1.26	0.53	19.20	3.62	1.39	0.37
16.65	3.45	1.26	0.53	19.25	3.62	1.39	0.37
16.70	3.45	1.27	0.53	19.30	3.62	1.39	0.37
16.75	3.45	1.27	0.52	19.35	3.63	1.39	0.37
16.80	3.46	1.27	0.52	19.40	3.63	1.39	0.36
16.85	3.46	1.28	0.51	19.45	3.63	1.40	0.36
16.90	3.47	1.28	0.51	19.50	3.63	1.40	0.36
16.95	3.47	1.28	0.50	19.55	3.64	1.40	0.36
17.00	3.47	1.28	0.50	19.60	3.64	1.40	0.36
17.05	3.48	1.29	0.49	19.65	3.64	1.40	0.36
17.10	3.48	1.29	0.49	19.70	3.65	1.41	0.36
17.15	3.49	1.29	0.49	19.75	3.65	1.41	0.36
17.20	3.49	1.29	0.48	19.80	3.65	1.41	0.36
17.25	3.49	1.30	0.48	19.85	3.65	1.41	0.36
17.30	3.50	1.30	0.47	19.90	3.66	1.41	0.35
17.35	3.50	1.30	0.47	19.95	3.66	1.42	0.35
17.40	3.50	1.30	0.46	20.00	3.66	1.42	0.35
17.45	3.51	1.31	0.46	20.05	3.66	1.42	0.35
17.50	3.51	1.31	0.45	20.10	3.67	1.42	0.35
17.55	3.52	1.31	0.45	20.15	3.67	1.42	0.35
17.60	3.52	1.31	0.44	20.20	3.67	1.43	0.35
17.65	3.52	1.32	0.44	20.25	3.68	1.43	0.35
17.70	3.53	1.32	0.44	20.30	3.68	1.43	0.34
17.75	3.53	1.32	0.43	20.35	3.68	1.43	0.34
17.80	3.53	1.32	0.43	20.40	3.68	1.43	0.34
17.85	3.54	1.33	0.42	20.45	3.69	1.43	0.34
17.90	3.54	1.33	0.42	20.50	3.69	1.44	0.34
17.95	3.54	1.33	0.41	20.55	3.69	1.44	0.34
18.00	3.54	1.33	0.41	20.60	3.69	1.44	0.34
18.05	3.55	1.34	0.40	20.65	3.70	1.44	0.34
18.10	3.55	1.34	0.40	20.70	3.70	1.44	0.34
18.15	3.55	1.34	0.39	20.75	3.70	1.45	0.33

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.45	0.33	23.40	3.82	1.54	0.27
20.85	3.71	1.45	0.33	23.45	3.83	1.54	0.27
20.90	3.71	1.45	0.33	23.50	3.83	1.54	0.27
20.95	3.71	1.45	0.33	23.55	3.83	1.54	0.27
21.00	3.71	1.46	0.33	23.60	3.83	1.54	0.27
21.05	3.72	1.46	0.33	23.65	3.84	1.54	0.27
21.10	3.72	1.46	0.33	23.70	3.84	1.55	0.27
21.15	3.72	1.46	0.32	23.75	3.84	1.55	0.27
21.20	3.72	1.46	0.32	23.80	3.84	1.55	0.26
21.25	3.73	1.46	0.32	23.85	3.84	1.55	0.26
21.30	3.73	1.47	0.32	23.90	3.85	1.55	0.26
21.35	3.73	1.47	0.32	23.95	3.85	1.55	0.26
21.40	3.73	1.47	0.32	24.00	3.85	1.56	0.28
21.45	3.74	1.47	0.32	24.05	3.85	1.56	0.28
21.50	3.74	1.47	0.32	24.10	3.85	1.56	0.21
21.55	3.74	1.48	0.32	24.15	3.85	1.56	0.11
21.60	3.74	1.48	0.31	24.20	3.85	1.56	0.05
21.65	3.75	1.48	0.31	24.25	3.85	1.56	0.02
21.70	3.75	1.48	0.31	24.30	3.85	1.56	0.01
21.75	3.75	1.48	0.31	24.35	3.85	1.56	0.00
21.80	3.75	1.48	0.31	24.40	3.85	1.56	0.00
21.85	3.76	1.49	0.31	24.45	3.85	1.56	0.00
21.90	3.76	1.49	0.31	24.50	3.85	1.56	0.00
21.95	3.76	1.49	0.31	24.55	3.85	1.56	0.00
22.00	3.76	1.49	0.31	24.60	3.85	1.56	0.00
22.05	3.77	1.49	0.30	24.65	3.85	1.56	0.00
22.10	3.77	1.49	0.30	24.70	3.85	1.56	0.00
22.15	3.77	1.50	0.30	24.75	3.85	1.56	0.00
22.20	3.77	1.50	0.30	24.80	3.85	1.56	0.00
22.25	3.77	1.50	0.30	24.85	3.85	1.56	0.00
22.30	3.78	1.50	0.30	24.90	3.85	1.56	0.00
22.35	3.78	1.50	0.30	24.95	3.85	1.56	0.00
22.40	3.78	1.50	0.30	25.00	3.85	1.56	0.00
22.45	3.78	1.51	0.29	25.05	3.85	1.56	0.00
22.50	3.79	1.51	0.29	25.10	3.85	1.56	0.00
22.55	3.79	1.51	0.29	25.15	3.85	1.56	0.00
22.60	3.79	1.51	0.29	25.20	3.85	1.56	0.00
22.65	3.79	1.51	0.29	25.25	3.85	1.56	0.00
22.70	3.79	1.51	0.29	25.30	3.85	1.56	0.00
22.75	3.80	1.52	0.29	25.35	3.85	1.56	0.00
22.80	3.80	1.52	0.29	25.40	3.85	1.56	0.00
22.85	3.80	1.52	0.29	25.45	3.85	1.56	0.00
22.90	3.80	1.52	0.28	25.50	3.85	1.56	0.00
22.95	3.81	1.52	0.28	25.55	3.85	1.56	0.00
23.00	3.81	1.52	0.28	25.60	3.85	1.56	0.00
23.05	3.81	1.53	0.28	25.65	3.85	1.56	0.00
23.10	3.81	1.53	0.28	25.70	3.85	1.56	0.00
23.15	3.81	1.53	0.28	25.75	3.85	1.56	0.00
23.20	3.82	1.53	0.28	25.80	3.85	1.56	0.00
23.25	3.82	1.53	0.28	25.85	3.85	1.56	0.00
23.30	3.82	1.53	0.27	25.90	3.85	1.56	0.00
23.35	3.82	1.53	0.27	25.95	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.56	0.00	28.60	3.85	1.56	0.00
26.05	3.85	1.56	0.00	28.65	3.85	1.56	0.00
26.10	3.85	1.56	0.00	28.70	3.85	1.56	0.00
26.15	3.85	1.56	0.00	28.75	3.85	1.56	0.00
26.20	3.85	1.56	0.00	28.80	3.85	1.56	0.00
26.25	3.85	1.56	0.00	28.85	3.85	1.56	0.00
26.30	3.85	1.56	0.00	28.90	3.85	1.56	0.00
26.35	3.85	1.56	0.00	28.95	3.85	1.56	0.00
26.40	3.85	1.56	0.00	29.00	3.85	1.56	0.00
26.45	3.85	1.56	0.00	29.05	3.85	1.56	0.00
26.50	3.85	1.56	0.00	29.10	3.85	1.56	0.00
26.55	3.85	1.56	0.00	29.15	3.85	1.56	0.00
26.60	3.85	1.56	0.00	29.20	3.85	1.56	0.00
26.65	3.85	1.56	0.00	29.25	3.85	1.56	0.00
26.70	3.85	1.56	0.00	29.30	3.85	1.56	0.00
26.75	3.85	1.56	0.00	29.35	3.85	1.56	0.00
26.80	3.85	1.56	0.00	29.40	3.85	1.56	0.00
26.85	3.85	1.56	0.00	29.45	3.85	1.56	0.00
26.90	3.85	1.56	0.00	29.50	3.85	1.56	0.00
26.95	3.85	1.56	0.00	29.55	3.85	1.56	0.00
27.00	3.85	1.56	0.00	29.60	3.85	1.56	0.00
27.05	3.85	1.56	0.00	29.65	3.85	1.56	0.00
27.10	3.85	1.56	0.00	29.70	3.85	1.56	0.00
27.15	3.85	1.56	0.00	29.75	3.85	1.56	0.00
27.20	3.85	1.56	0.00	29.80	3.85	1.56	0.00
27.25	3.85	1.56	0.00	29.85	3.85	1.56	0.00
27.30	3.85	1.56	0.00	29.90	3.85	1.56	0.00
27.35	3.85	1.56	0.00	29.95	3.85	1.56	0.00
27.40	3.85	1.56	0.00	30.00	3.85	1.56	0.00
27.45	3.85	1.56	0.00	30.05	3.85	1.56	0.00
27.50	3.85	1.56	0.00	30.10	3.85	1.56	0.00
27.55	3.85	1.56	0.00	30.15	3.85	1.56	0.00
27.60	3.85	1.56	0.00	30.20	3.85	1.56	0.00
27.65	3.85	1.56	0.00	30.25	3.85	1.56	0.00
27.70	3.85	1.56	0.00	30.30	3.85	1.56	0.00
27.75	3.85	1.56	0.00	30.35	3.85	1.56	0.00
27.80	3.85	1.56	0.00	30.40	3.85	1.56	0.00
27.85	3.85	1.56	0.00	30.45	3.85	1.56	0.00
27.90	3.85	1.56	0.00	30.50	3.85	1.56	0.00
27.95	3.85	1.56	0.00	30.55	3.85	1.56	0.00
28.00	3.85	1.56	0.00	30.60	3.85	1.56	0.00
28.05	3.85	1.56	0.00	30.65	3.85	1.56	0.00
28.10	3.85	1.56	0.00	30.70	3.85	1.56	0.00
28.15	3.85	1.56	0.00	30.75	3.85	1.56	0.00
28.20	3.85	1.56	0.00	30.80	3.85	1.56	0.00
28.25	3.85	1.56	0.00	30.85	3.85	1.56	0.00
28.30	3.85	1.56	0.00	30.90	3.85	1.56	0.00
28.35	3.85	1.56	0.00	30.95	3.85	1.56	0.00
28.40	3.85	1.56	0.00	31.00	3.85	1.56	0.00
28.45	3.85	1.56	0.00	31.05	3.85	1.56	0.00
28.50	3.85	1.56	0.00	31.10	3.85	1.56	0.00
28.55	3.85	1.56	0.00	31.15	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.56	0.00	33.80	3.85	1.56	0.00
31.25	3.85	1.56	0.00	33.85	3.85	1.56	0.00
31.30	3.85	1.56	0.00	33.90	3.85	1.56	0.00
31.35	3.85	1.56	0.00	33.95	3.85	1.56	0.00
31.40	3.85	1.56	0.00	34.00	3.85	1.56	0.00
31.45	3.85	1.56	0.00	34.05	3.85	1.56	0.00
31.50	3.85	1.56	0.00	34.10	3.85	1.56	0.00
31.55	3.85	1.56	0.00	34.15	3.85	1.56	0.00
31.60	3.85	1.56	0.00	34.20	3.85	1.56	0.00
31.65	3.85	1.56	0.00	34.25	3.85	1.56	0.00
31.70	3.85	1.56	0.00	34.30	3.85	1.56	0.00
31.75	3.85	1.56	0.00	34.35	3.85	1.56	0.00
31.80	3.85	1.56	0.00	34.40	3.85	1.56	0.00
31.85	3.85	1.56	0.00	34.45	3.85	1.56	0.00
31.90	3.85	1.56	0.00	34.50	3.85	1.56	0.00
31.95	3.85	1.56	0.00	34.55	3.85	1.56	0.00
32.00	3.85	1.56	0.00	34.60	3.85	1.56	0.00
32.05	3.85	1.56	0.00	34.65	3.85	1.56	0.00
32.10	3.85	1.56	0.00	34.70	3.85	1.56	0.00
32.15	3.85	1.56	0.00	34.75	3.85	1.56	0.00
32.20	3.85	1.56	0.00	34.80	3.85	1.56	0.00
32.25	3.85	1.56	0.00	34.85	3.85	1.56	0.00
32.30	3.85	1.56	0.00	34.90	3.85	1.56	0.00
32.35	3.85	1.56	0.00	34.95	3.85	1.56	0.00
32.40	3.85	1.56	0.00	35.00	3.85	1.56	0.00
32.45	3.85	1.56	0.00	35.05	3.85	1.56	0.00
32.50	3.85	1.56	0.00	35.10	3.85	1.56	0.00
32.55	3.85	1.56	0.00	35.15	3.85	1.56	0.00
32.60	3.85	1.56	0.00	35.20	3.85	1.56	0.00
32.65	3.85	1.56	0.00	35.25	3.85	1.56	0.00
32.70	3.85	1.56	0.00	35.30	3.85	1.56	0.00
32.75	3.85	1.56	0.00	35.35	3.85	1.56	0.00
32.80	3.85	1.56	0.00	35.40	3.85	1.56	0.00
32.85	3.85	1.56	0.00	35.45	3.85	1.56	0.00
32.90	3.85	1.56	0.00	35.50	3.85	1.56	0.00
32.95	3.85	1.56	0.00	35.55	3.85	1.56	0.00
33.00	3.85	1.56	0.00	35.60	3.85	1.56	0.00
33.05	3.85	1.56	0.00	35.65	3.85	1.56	0.00
33.10	3.85	1.56	0.00	35.70	3.85	1.56	0.00
33.15	3.85	1.56	0.00	35.75	3.85	1.56	0.00
33.20	3.85	1.56	0.00	35.80	3.85	1.56	0.00
33.25	3.85	1.56	0.00	35.85	3.85	1.56	0.00
33.30	3.85	1.56	0.00	35.90	3.85	1.56	0.00
33.35	3.85	1.56	0.00	35.95	3.85	1.56	0.00
33.40	3.85	1.56	0.00	36.00	3.85	1.56	0.00
33.45	3.85	1.56	0.00	36.05	3.85	1.56	0.00
33.50	3.85	1.56	0.00	36.10	3.85	1.56	0.00
33.55	3.85	1.56	0.00	36.15	3.85	1.56	0.00
33.60	3.85	1.56	0.00	36.20	3.85	1.56	0.00
33.65	3.85	1.56	0.00	36.25	3.85	1.56	0.00
33.70	3.85	1.56	0.00	36.30	3.85	1.56	0.00
33.75	3.85	1.56	0.00	36.35	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.56	0.00	39.00	3.85	1.56	0.00
36.45	3.85	1.56	0.00	39.05	3.85	1.56	0.00
36.50	3.85	1.56	0.00	39.10	3.85	1.56	0.00
36.55	3.85	1.56	0.00	39.15	3.85	1.56	0.00
36.60	3.85	1.56	0.00	39.20	3.85	1.56	0.00
36.65	3.85	1.56	0.00	39.25	3.85	1.56	0.00
36.70	3.85	1.56	0.00	39.30	3.85	1.56	0.00
36.75	3.85	1.56	0.00	39.35	3.85	1.56	0.00
36.80	3.85	1.56	0.00	39.40	3.85	1.56	0.00
36.85	3.85	1.56	0.00	39.45	3.85	1.56	0.00
36.90	3.85	1.56	0.00	39.50	3.85	1.56	0.00
36.95	3.85	1.56	0.00	39.55	3.85	1.56	0.00
37.00	3.85	1.56	0.00	39.60	3.85	1.56	0.00
37.05	3.85	1.56	0.00	39.65	3.85	1.56	0.00
37.10	3.85	1.56	0.00	39.70	3.85	1.56	0.00
37.15	3.85	1.56	0.00	39.75	3.85	1.56	0.00
37.20	3.85	1.56	0.00	39.80	3.85	1.56	0.00
37.25	3.85	1.56	0.00	39.85	3.85	1.56	0.00
37.30	3.85	1.56	0.00	39.90	3.85	1.56	0.00
37.35	3.85	1.56	0.00	39.95	3.85	1.56	0.00
37.40	3.85	1.56	0.00	40.00	3.85	1.56	0.00
37.45	3.85	1.56	0.00				
37.50	3.85	1.56	0.00				
37.55	3.85	1.56	0.00				
37.60	3.85	1.56	0.00				
37.65	3.85	1.56	0.00				
37.70	3.85	1.56	0.00				
37.75	3.85	1.56	0.00				
37.80	3.85	1.56	0.00				
37.85	3.85	1.56	0.00				
37.90	3.85	1.56	0.00				
37.95	3.85	1.56	0.00				
38.00	3.85	1.56	0.00				
38.05	3.85	1.56	0.00				
38.10	3.85	1.56	0.00				
38.15	3.85	1.56	0.00				
38.20	3.85	1.56	0.00				
38.25	3.85	1.56	0.00				
38.30	3.85	1.56	0.00				
38.35	3.85	1.56	0.00				
38.40	3.85	1.56	0.00				
38.45	3.85	1.56	0.00				
38.50	3.85	1.56	0.00				
38.55	3.85	1.56	0.00				
38.60	3.85	1.56	0.00				
38.65	3.85	1.56	0.00				
38.70	3.85	1.56	0.00				
38.75	3.85	1.56	0.00				
38.80	3.85	1.56	0.00				
38.85	3.85	1.56	0.00				
38.90	3.85	1.56	0.00				
38.95	3.85	1.56	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 2.77 cfs @ 12.16 hrs, Volume= 0.229 af, Depth= 3.62"
Routed to Link XDA-6O : XDA-6O

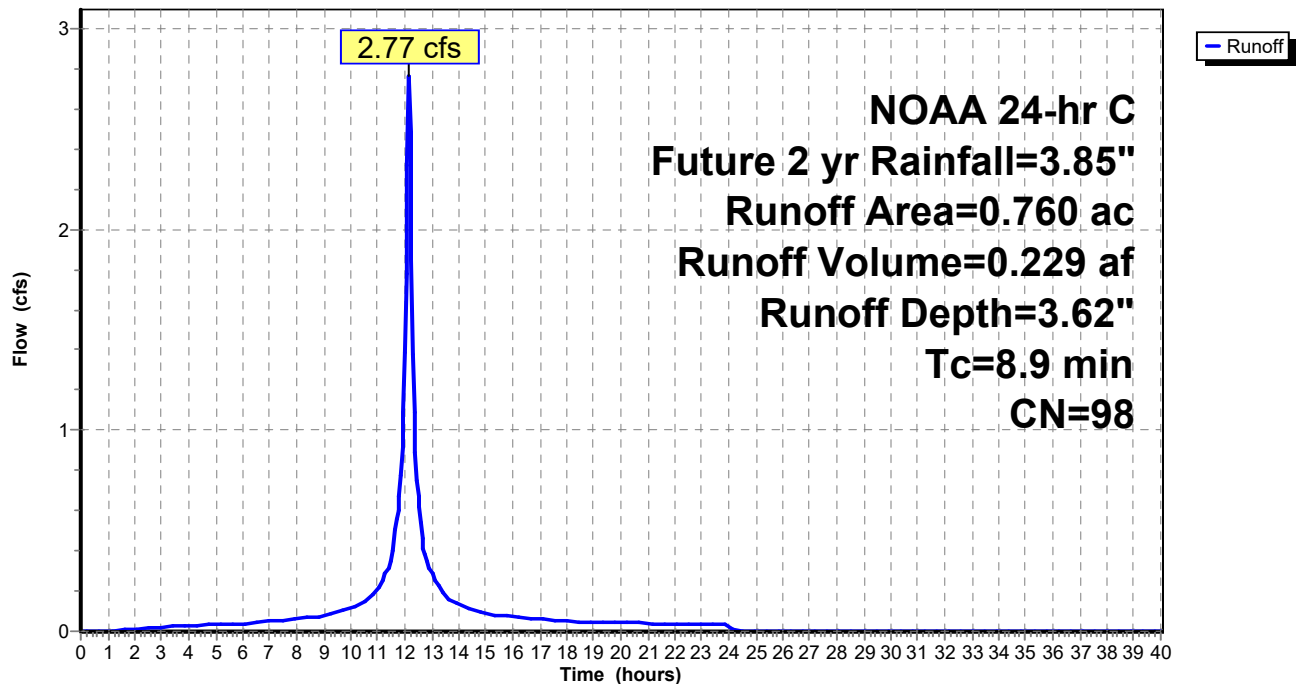
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.07
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.07
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.07
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.07
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.08
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.08
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.08
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.08
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.09
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.09
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.09
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.09
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.09
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.10
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.10
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.10
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.10
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.10
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.11
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.11
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.11
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.11
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.12
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.12
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.12
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.12
7.60	0.43	0.25	0.06	10.20	0.74	0.54	0.12
7.65	0.43	0.25	0.06	10.25	0.75	0.55	0.13
7.70	0.43	0.26	0.06	10.30	0.76	0.56	0.13
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.13

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.13	13.00	2.93	2.69	0.29
10.45	0.78	0.58	0.14	13.05	2.94	2.71	0.28
10.50	0.79	0.59	0.14	13.10	2.96	2.73	0.26
10.55	0.80	0.60	0.14	13.15	2.97	2.74	0.25
10.60	0.82	0.61	0.15	13.20	2.98	2.75	0.23
10.65	0.83	0.62	0.15	13.25	3.00	2.77	0.22
10.70	0.84	0.64	0.16	13.30	3.01	2.78	0.21
10.75	0.85	0.65	0.17	13.35	3.02	2.79	0.21
10.80	0.87	0.66	0.18	13.40	3.03	2.80	0.20
10.85	0.88	0.67	0.19	13.45	3.05	2.81	0.19
10.90	0.89	0.69	0.19	13.50	3.06	2.82	0.18
10.95	0.91	0.70	0.20	13.55	3.07	2.83	0.17
11.00	0.92	0.72	0.21	13.60	3.08	2.84	0.16
11.05	0.94	0.73	0.22	13.65	3.09	2.85	0.16
11.10	0.96	0.75	0.23	13.70	3.09	2.86	0.15
11.15	0.98	0.77	0.25	13.75	3.10	2.87	0.15
11.20	1.00	0.79	0.26	13.80	3.11	2.88	0.14
11.25	1.02	0.81	0.28	13.85	3.12	2.89	0.14
11.30	1.04	0.83	0.29	13.90	3.13	2.90	0.14
11.35	1.06	0.85	0.31	13.95	3.14	2.91	0.14
11.40	1.09	0.88	0.32	14.00	3.15	2.92	0.13
11.45	1.11	0.90	0.34	14.05	3.16	2.92	0.13
11.50	1.14	0.92	0.35	14.10	3.16	2.93	0.13
11.55	1.18	0.96	0.37	14.15	3.17	2.94	0.13
11.60	1.22	1.00	0.44	14.20	3.18	2.95	0.13
11.65	1.26	1.04	0.51	14.25	3.19	2.96	0.12
11.70	1.30	1.08	0.56	14.30	3.20	2.96	0.12
11.75	1.35	1.14	0.60	14.35	3.20	2.97	0.12
11.80	1.41	1.19	0.68	14.40	3.21	2.98	0.12
11.85	1.49	1.27	0.78	14.45	3.22	2.99	0.11
11.90	1.57	1.34	0.91	14.50	3.23	2.99	0.11
11.95	1.70	1.48	1.09	14.55	3.23	3.00	0.11
12.00	1.83	1.61	1.39	14.60	3.24	3.01	0.11
12.05	2.06	1.83	1.78	14.65	3.25	3.01	0.11
12.10	2.28	2.06	2.32	14.70	3.25	3.02	0.10
12.15	2.36	2.13	2.76	14.75	3.26	3.03	0.10
12.20	2.44	2.21	2.49	14.80	3.26	3.03	0.10
12.25	2.50	2.27	1.85	14.85	3.27	3.04	0.10
12.30	2.55	2.32	1.38	14.90	3.28	3.04	0.10
12.35	2.59	2.36	1.09	14.95	3.28	3.05	0.09
12.40	2.63	2.40	0.89	15.00	3.29	3.05	0.09
12.45	2.67	2.44	0.75	15.05	3.29	3.06	0.09
12.50	2.71	2.48	0.67	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.62	15.15	3.30	3.07	0.08
12.60	2.76	2.53	0.54	15.20	3.31	3.08	0.08
12.65	2.79	2.56	0.46	15.25	3.31	3.08	0.08
12.70	2.81	2.58	0.41	15.30	3.32	3.09	0.08
12.75	2.83	2.60	0.38	15.35	3.32	3.09	0.08
12.80	2.85	2.62	0.36	15.40	3.33	3.10	0.08
12.85	2.87	2.64	0.34	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.32	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.31	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.07	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.07	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.07	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.07	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.07	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.04
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.04
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.04
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.04
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.06	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.06	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.04	24.00	3.85	3.62	0.03
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.02
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.01
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.01
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00	39.00	3.85	3.62	0.00
36.45	3.85	3.62	0.00	39.05	3.85	3.62	0.00
36.50	3.85	3.62	0.00	39.10	3.85	3.62	0.00
36.55	3.85	3.62	0.00	39.15	3.85	3.62	0.00
36.60	3.85	3.62	0.00	39.20	3.85	3.62	0.00
36.65	3.85	3.62	0.00	39.25	3.85	3.62	0.00
36.70	3.85	3.62	0.00	39.30	3.85	3.62	0.00
36.75	3.85	3.62	0.00	39.35	3.85	3.62	0.00
36.80	3.85	3.62	0.00	39.40	3.85	3.62	0.00
36.85	3.85	3.62	0.00	39.45	3.85	3.62	0.00
36.90	3.85	3.62	0.00	39.50	3.85	3.62	0.00
36.95	3.85	3.62	0.00	39.55	3.85	3.62	0.00
37.00	3.85	3.62	0.00	39.60	3.85	3.62	0.00
37.05	3.85	3.62	0.00	39.65	3.85	3.62	0.00
37.10	3.85	3.62	0.00	39.70	3.85	3.62	0.00
37.15	3.85	3.62	0.00	39.75	3.85	3.62	0.00
37.20	3.85	3.62	0.00	39.80	3.85	3.62	0.00
37.25	3.85	3.62	0.00	39.85	3.85	3.62	0.00
37.30	3.85	3.62	0.00	39.90	3.85	3.62	0.00
37.35	3.85	3.62	0.00	39.95	3.85	3.62	0.00
37.40	3.85	3.62	0.00	40.00	3.85	3.62	0.00
37.45	3.85	3.62	0.00				
37.50	3.85	3.62	0.00				
37.55	3.85	3.62	0.00				
37.60	3.85	3.62	0.00				
37.65	3.85	3.62	0.00				
37.70	3.85	3.62	0.00				
37.75	3.85	3.62	0.00				
37.80	3.85	3.62	0.00				
37.85	3.85	3.62	0.00				
37.90	3.85	3.62	0.00				
37.95	3.85	3.62	0.00				
38.00	3.85	3.62	0.00				
38.05	3.85	3.62	0.00				
38.10	3.85	3.62	0.00				
38.15	3.85	3.62	0.00				
38.20	3.85	3.62	0.00				
38.25	3.85	3.62	0.00				
38.30	3.85	3.62	0.00				
38.35	3.85	3.62	0.00				
38.40	3.85	3.62	0.00				
38.45	3.85	3.62	0.00				
38.50	3.85	3.62	0.00				
38.55	3.85	3.62	0.00				
38.60	3.85	3.62	0.00				
38.65	3.85	3.62	0.00				
38.70	3.85	3.62	0.00				
38.75	3.85	3.62	0.00				
38.80	3.85	3.62	0.00				
38.85	3.85	3.62	0.00				
38.90	3.85	3.62	0.00				
38.95	3.85	3.62	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 38.45 cfs @ 12.17 hrs, Volume= 2.853 af, Depth= 1.29"
Routed to Link XDA-6 : Existing Drainage Area #6

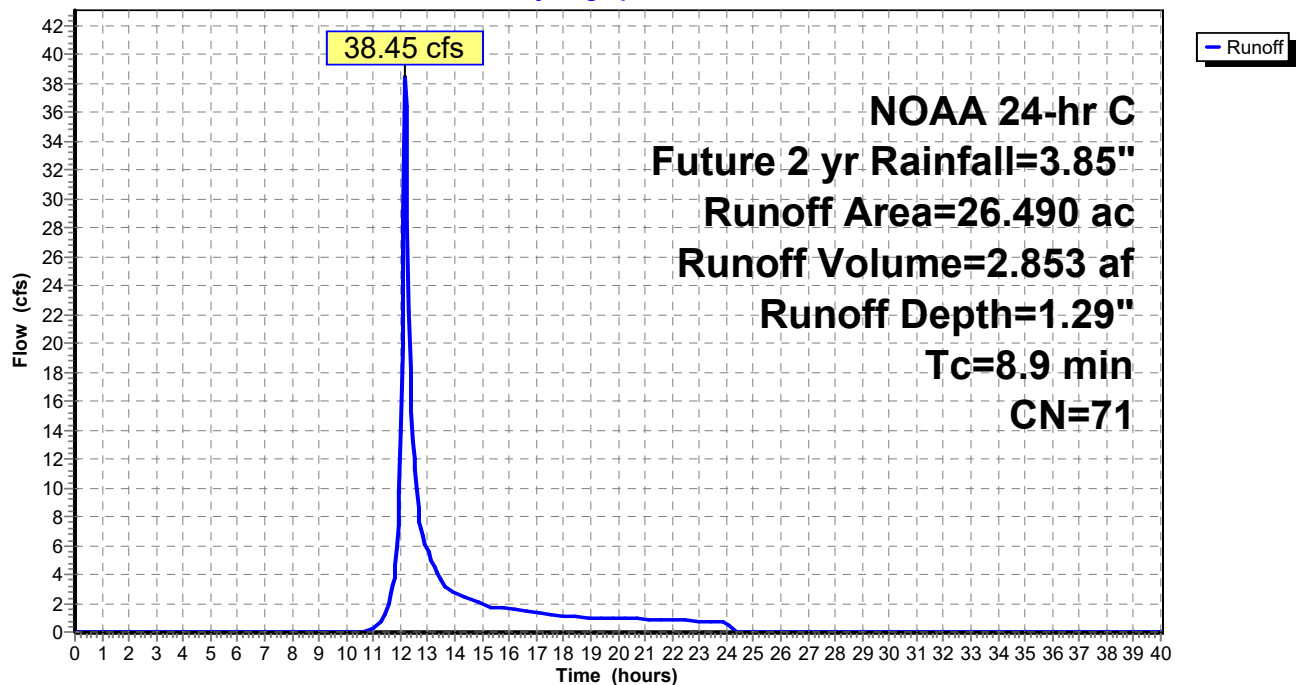
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.72	5.70
10.45	0.78	0.00	0.00	13.05	2.94	0.73	5.42
10.50	0.79	0.00	0.00	13.10	2.96	0.74	5.13
10.55	0.80	0.00	0.00	13.15	2.97	0.74	4.86
10.60	0.82	0.00	0.00	13.20	2.98	0.75	4.64
10.65	0.83	0.00	0.00	13.25	3.00	0.76	4.46
10.70	0.84	0.00	0.00	13.30	3.01	0.77	4.29
10.75	0.85	0.00	0.02	13.35	3.02	0.77	4.13
10.80	0.87	0.00	0.05	13.40	3.03	0.78	3.97
10.85	0.88	0.00	0.09	13.45	3.05	0.79	3.81
10.90	0.89	0.00	0.14	13.50	3.06	0.79	3.65
10.95	0.91	0.00	0.19	13.55	3.07	0.80	3.49
11.00	0.92	0.00	0.25	13.60	3.08	0.80	3.32
11.05	0.94	0.00	0.31	13.65	3.09	0.81	3.18
11.10	0.96	0.00	0.39	13.70	3.09	0.82	3.07
11.15	0.98	0.01	0.47	13.75	3.10	0.82	3.01
11.20	1.00	0.01	0.58	13.80	3.11	0.83	2.96
11.25	1.02	0.01	0.69	13.85	3.12	0.83	2.91
11.30	1.04	0.01	0.82	13.90	3.13	0.84	2.87
11.35	1.06	0.01	0.95	13.95	3.14	0.84	2.83
11.40	1.09	0.02	1.11	14.00	3.15	0.85	2.79
11.45	1.11	0.02	1.27	14.05	3.16	0.85	2.75
11.50	1.14	0.02	1.44	14.10	3.16	0.86	2.71
11.55	1.18	0.03	1.67	14.15	3.17	0.86	2.67
11.60	1.22	0.04	2.12	14.20	3.18	0.87	2.63
11.65	1.26	0.04	2.71	14.25	3.19	0.87	2.59
11.70	1.30	0.05	3.24	14.30	3.20	0.88	2.54
11.75	1.35	0.06	3.77	14.35	3.20	0.88	2.50
11.80	1.41	0.08	4.63	14.40	3.21	0.88	2.46
11.85	1.49	0.09	5.79	14.45	3.22	0.89	2.41
11.90	1.57	0.12	7.44	14.50	3.23	0.89	2.37
11.95	1.70	0.16	9.74	14.55	3.23	0.90	2.33
12.00	1.83	0.20	13.79	14.60	3.24	0.90	2.29
12.05	2.06	0.29	19.67	14.65	3.25	0.91	2.24
12.10	2.28	0.39	28.81	14.70	3.25	0.91	2.20
12.15	2.36	0.42	37.77	14.75	3.26	0.91	2.15
12.20	2.44	0.46	36.35	14.80	3.26	0.92	2.11
12.25	2.50	0.49	28.41	14.85	3.27	0.92	2.07
12.30	2.55	0.52	22.16	14.90	3.28	0.92	2.02
12.35	2.59	0.54	18.18	14.95	3.28	0.93	1.98
12.40	2.63	0.56	15.30	15.00	3.29	0.93	1.93
12.45	2.67	0.58	13.19	15.05	3.29	0.93	1.89
12.50	2.71	0.60	12.00	15.10	3.30	0.94	1.84
12.55	2.74	0.61	11.24	15.15	3.30	0.94	1.80
12.60	2.76	0.63	9.98	15.20	3.31	0.94	1.78
12.65	2.79	0.64	8.57	15.25	3.31	0.95	1.76
12.70	2.81	0.65	7.69	15.30	3.32	0.95	1.74
12.75	2.83	0.67	7.21	15.35	3.32	0.95	1.73
12.80	2.85	0.68	6.85	15.40	3.33	0.96	1.72
12.85	2.87	0.69	6.55	15.45	3.34	0.96	1.71
12.90	2.89	0.70	6.26	15.50	3.34	0.96	1.70
12.95	2.91	0.71	5.98	15.55	3.35	0.97	1.69

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.97	1.68	18.20	3.56	1.10	1.06
15.65	3.36	0.97	1.67	18.25	3.56	1.10	1.06
15.70	3.36	0.98	1.65	18.30	3.56	1.10	1.06
15.75	3.36	0.98	1.64	18.35	3.57	1.11	1.05
15.80	3.37	0.98	1.63	18.40	3.57	1.11	1.05
15.85	3.37	0.98	1.62	18.45	3.57	1.11	1.05
15.90	3.38	0.99	1.61	18.50	3.58	1.11	1.04
15.95	3.38	0.99	1.60	18.55	3.58	1.11	1.04
16.00	3.39	0.99	1.59	18.60	3.58	1.12	1.04
16.05	3.39	1.00	1.57	18.65	3.58	1.12	1.04
16.10	3.40	1.00	1.56	18.70	3.59	1.12	1.03
16.15	3.40	1.00	1.55	18.75	3.59	1.12	1.03
16.20	3.41	1.01	1.54	18.80	3.59	1.12	1.03
16.25	3.41	1.01	1.53	18.85	3.60	1.13	1.02
16.30	3.42	1.01	1.52	18.90	3.60	1.13	1.02
16.35	3.42	1.01	1.50	18.95	3.60	1.13	1.02
16.40	3.42	1.02	1.49	19.00	3.61	1.13	1.02
16.45	3.43	1.02	1.48	19.05	3.61	1.13	1.01
16.50	3.43	1.02	1.47	19.10	3.61	1.13	1.01
16.55	3.44	1.02	1.46	19.15	3.61	1.14	1.01
16.60	3.44	1.03	1.45	19.20	3.62	1.14	1.00
16.65	3.45	1.03	1.44	19.25	3.62	1.14	1.00
16.70	3.45	1.03	1.43	19.30	3.62	1.14	1.00
16.75	3.45	1.03	1.41	19.35	3.63	1.14	1.00
16.80	3.46	1.04	1.40	19.40	3.63	1.15	0.99
16.85	3.46	1.04	1.39	19.45	3.63	1.15	0.99
16.90	3.47	1.04	1.38	19.50	3.63	1.15	0.99
16.95	3.47	1.05	1.36	19.55	3.64	1.15	0.98
17.00	3.47	1.05	1.35	19.60	3.64	1.15	0.98
17.05	3.48	1.05	1.34	19.65	3.64	1.16	0.98
17.10	3.48	1.05	1.33	19.70	3.65	1.16	0.98
17.15	3.49	1.05	1.32	19.75	3.65	1.16	0.97
17.20	3.49	1.06	1.31	19.80	3.65	1.16	0.97
17.25	3.49	1.06	1.29	19.85	3.65	1.16	0.97
17.30	3.50	1.06	1.28	19.90	3.66	1.16	0.97
17.35	3.50	1.06	1.27	19.95	3.66	1.17	0.96
17.40	3.50	1.07	1.25	20.00	3.66	1.17	0.96
17.45	3.51	1.07	1.24	20.05	3.66	1.17	0.96
17.50	3.51	1.07	1.23	20.10	3.67	1.17	0.95
17.55	3.52	1.07	1.22	20.15	3.67	1.17	0.95
17.60	3.52	1.08	1.21	20.20	3.67	1.17	0.95
17.65	3.52	1.08	1.20	20.25	3.68	1.18	0.94
17.70	3.53	1.08	1.18	20.30	3.68	1.18	0.94
17.75	3.53	1.08	1.17	20.35	3.68	1.18	0.94
17.80	3.53	1.08	1.16	20.40	3.68	1.18	0.93
17.85	3.54	1.09	1.15	20.45	3.69	1.18	0.93
17.90	3.54	1.09	1.13	20.50	3.69	1.19	0.93
17.95	3.54	1.09	1.12	20.55	3.69	1.19	0.93
18.00	3.54	1.09	1.11	20.60	3.69	1.19	0.92
18.05	3.55	1.09	1.10	20.65	3.70	1.19	0.92
18.10	3.55	1.10	1.08	20.70	3.70	1.19	0.92
18.15	3.55	1.10	1.07	20.75	3.70	1.19	0.91

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.20	0.91	23.40	3.82	1.28	0.75
20.85	3.71	1.20	0.91	23.45	3.83	1.28	0.75
20.90	3.71	1.20	0.90	23.50	3.83	1.28	0.74
20.95	3.71	1.20	0.90	23.55	3.83	1.28	0.74
21.00	3.71	1.20	0.90	23.60	3.83	1.28	0.74
21.05	3.72	1.20	0.89	23.65	3.84	1.28	0.73
21.10	3.72	1.21	0.89	23.70	3.84	1.28	0.73
21.15	3.72	1.21	0.89	23.75	3.84	1.29	0.73
21.20	3.72	1.21	0.89	23.80	3.84	1.29	0.73
21.25	3.73	1.21	0.88	23.85	3.84	1.29	0.72
21.30	3.73	1.21	0.88	23.90	3.85	1.29	0.72
21.35	3.73	1.21	0.88	23.95	3.85	1.29	0.72
21.40	3.73	1.22	0.88	24.00	3.85	1.29	0.76
21.45	3.74	1.22	0.87	24.05	3.85	1.29	0.78
21.50	3.74	1.22	0.87	24.10	3.85	1.29	0.58
21.55	3.74	1.22	0.86	24.15	3.85	1.29	0.30
21.60	3.74	1.22	0.86	24.20	3.85	1.29	0.13
21.65	3.75	1.22	0.86	24.25	3.85	1.29	0.06
21.70	3.75	1.23	0.85	24.30	3.85	1.29	0.02
21.75	3.75	1.23	0.85	24.35	3.85	1.29	0.01
21.80	3.75	1.23	0.85	24.40	3.85	1.29	0.00
21.85	3.76	1.23	0.85	24.45	3.85	1.29	0.00
21.90	3.76	1.23	0.85	24.50	3.85	1.29	0.00
21.95	3.76	1.23	0.84	24.55	3.85	1.29	0.00
22.00	3.76	1.23	0.84	24.60	3.85	1.29	0.00
22.05	3.77	1.24	0.83	24.65	3.85	1.29	0.00
22.10	3.77	1.24	0.83	24.70	3.85	1.29	0.00
22.15	3.77	1.24	0.83	24.75	3.85	1.29	0.00
22.20	3.77	1.24	0.83	24.80	3.85	1.29	0.00
22.25	3.77	1.24	0.82	24.85	3.85	1.29	0.00
22.30	3.78	1.24	0.82	24.90	3.85	1.29	0.00
22.35	3.78	1.25	0.82	24.95	3.85	1.29	0.00
22.40	3.78	1.25	0.81	25.00	3.85	1.29	0.00
22.45	3.78	1.25	0.81	25.05	3.85	1.29	0.00
22.50	3.79	1.25	0.81	25.10	3.85	1.29	0.00
22.55	3.79	1.25	0.80	25.15	3.85	1.29	0.00
22.60	3.79	1.25	0.80	25.20	3.85	1.29	0.00
22.65	3.79	1.25	0.80	25.25	3.85	1.29	0.00
22.70	3.79	1.26	0.80	25.30	3.85	1.29	0.00
22.75	3.80	1.26	0.79	25.35	3.85	1.29	0.00
22.80	3.80	1.26	0.79	25.40	3.85	1.29	0.00
22.85	3.80	1.26	0.78	25.45	3.85	1.29	0.00
22.90	3.80	1.26	0.78	25.50	3.85	1.29	0.00
22.95	3.81	1.26	0.78	25.55	3.85	1.29	0.00
23.00	3.81	1.26	0.78	25.60	3.85	1.29	0.00
23.05	3.81	1.27	0.77	25.65	3.85	1.29	0.00
23.10	3.81	1.27	0.77	25.70	3.85	1.29	0.00
23.15	3.81	1.27	0.77	25.75	3.85	1.29	0.00
23.20	3.82	1.27	0.76	25.80	3.85	1.29	0.00
23.25	3.82	1.27	0.76	25.85	3.85	1.29	0.00
23.30	3.82	1.27	0.75	25.90	3.85	1.29	0.00
23.35	3.82	1.27	0.75	25.95	3.85	1.29	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.29	0.00	28.60	3.85	1.29	0.00
26.05	3.85	1.29	0.00	28.65	3.85	1.29	0.00
26.10	3.85	1.29	0.00	28.70	3.85	1.29	0.00
26.15	3.85	1.29	0.00	28.75	3.85	1.29	0.00
26.20	3.85	1.29	0.00	28.80	3.85	1.29	0.00
26.25	3.85	1.29	0.00	28.85	3.85	1.29	0.00
26.30	3.85	1.29	0.00	28.90	3.85	1.29	0.00
26.35	3.85	1.29	0.00	28.95	3.85	1.29	0.00
26.40	3.85	1.29	0.00	29.00	3.85	1.29	0.00
26.45	3.85	1.29	0.00	29.05	3.85	1.29	0.00
26.50	3.85	1.29	0.00	29.10	3.85	1.29	0.00
26.55	3.85	1.29	0.00	29.15	3.85	1.29	0.00
26.60	3.85	1.29	0.00	29.20	3.85	1.29	0.00
26.65	3.85	1.29	0.00	29.25	3.85	1.29	0.00
26.70	3.85	1.29	0.00	29.30	3.85	1.29	0.00
26.75	3.85	1.29	0.00	29.35	3.85	1.29	0.00
26.80	3.85	1.29	0.00	29.40	3.85	1.29	0.00
26.85	3.85	1.29	0.00	29.45	3.85	1.29	0.00
26.90	3.85	1.29	0.00	29.50	3.85	1.29	0.00
26.95	3.85	1.29	0.00	29.55	3.85	1.29	0.00
27.00	3.85	1.29	0.00	29.60	3.85	1.29	0.00
27.05	3.85	1.29	0.00	29.65	3.85	1.29	0.00
27.10	3.85	1.29	0.00	29.70	3.85	1.29	0.00
27.15	3.85	1.29	0.00	29.75	3.85	1.29	0.00
27.20	3.85	1.29	0.00	29.80	3.85	1.29	0.00
27.25	3.85	1.29	0.00	29.85	3.85	1.29	0.00
27.30	3.85	1.29	0.00	29.90	3.85	1.29	0.00
27.35	3.85	1.29	0.00	29.95	3.85	1.29	0.00
27.40	3.85	1.29	0.00	30.00	3.85	1.29	0.00
27.45	3.85	1.29	0.00	30.05	3.85	1.29	0.00
27.50	3.85	1.29	0.00	30.10	3.85	1.29	0.00
27.55	3.85	1.29	0.00	30.15	3.85	1.29	0.00
27.60	3.85	1.29	0.00	30.20	3.85	1.29	0.00
27.65	3.85	1.29	0.00	30.25	3.85	1.29	0.00
27.70	3.85	1.29	0.00	30.30	3.85	1.29	0.00
27.75	3.85	1.29	0.00	30.35	3.85	1.29	0.00
27.80	3.85	1.29	0.00	30.40	3.85	1.29	0.00
27.85	3.85	1.29	0.00	30.45	3.85	1.29	0.00
27.90	3.85	1.29	0.00	30.50	3.85	1.29	0.00
27.95	3.85	1.29	0.00	30.55	3.85	1.29	0.00
28.00	3.85	1.29	0.00	30.60	3.85	1.29	0.00
28.05	3.85	1.29	0.00	30.65	3.85	1.29	0.00
28.10	3.85	1.29	0.00	30.70	3.85	1.29	0.00
28.15	3.85	1.29	0.00	30.75	3.85	1.29	0.00
28.20	3.85	1.29	0.00	30.80	3.85	1.29	0.00
28.25	3.85	1.29	0.00	30.85	3.85	1.29	0.00
28.30	3.85	1.29	0.00	30.90	3.85	1.29	0.00
28.35	3.85	1.29	0.00	30.95	3.85	1.29	0.00
28.40	3.85	1.29	0.00	31.00	3.85	1.29	0.00
28.45	3.85	1.29	0.00	31.05	3.85	1.29	0.00
28.50	3.85	1.29	0.00	31.10	3.85	1.29	0.00
28.55	3.85	1.29	0.00	31.15	3.85	1.29	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.29	0.00	33.80	3.85	1.29	0.00
31.25	3.85	1.29	0.00	33.85	3.85	1.29	0.00
31.30	3.85	1.29	0.00	33.90	3.85	1.29	0.00
31.35	3.85	1.29	0.00	33.95	3.85	1.29	0.00
31.40	3.85	1.29	0.00	34.00	3.85	1.29	0.00
31.45	3.85	1.29	0.00	34.05	3.85	1.29	0.00
31.50	3.85	1.29	0.00	34.10	3.85	1.29	0.00
31.55	3.85	1.29	0.00	34.15	3.85	1.29	0.00
31.60	3.85	1.29	0.00	34.20	3.85	1.29	0.00
31.65	3.85	1.29	0.00	34.25	3.85	1.29	0.00
31.70	3.85	1.29	0.00	34.30	3.85	1.29	0.00
31.75	3.85	1.29	0.00	34.35	3.85	1.29	0.00
31.80	3.85	1.29	0.00	34.40	3.85	1.29	0.00
31.85	3.85	1.29	0.00	34.45	3.85	1.29	0.00
31.90	3.85	1.29	0.00	34.50	3.85	1.29	0.00
31.95	3.85	1.29	0.00	34.55	3.85	1.29	0.00
32.00	3.85	1.29	0.00	34.60	3.85	1.29	0.00
32.05	3.85	1.29	0.00	34.65	3.85	1.29	0.00
32.10	3.85	1.29	0.00	34.70	3.85	1.29	0.00
32.15	3.85	1.29	0.00	34.75	3.85	1.29	0.00
32.20	3.85	1.29	0.00	34.80	3.85	1.29	0.00
32.25	3.85	1.29	0.00	34.85	3.85	1.29	0.00
32.30	3.85	1.29	0.00	34.90	3.85	1.29	0.00
32.35	3.85	1.29	0.00	34.95	3.85	1.29	0.00
32.40	3.85	1.29	0.00	35.00	3.85	1.29	0.00
32.45	3.85	1.29	0.00	35.05	3.85	1.29	0.00
32.50	3.85	1.29	0.00	35.10	3.85	1.29	0.00
32.55	3.85	1.29	0.00	35.15	3.85	1.29	0.00
32.60	3.85	1.29	0.00	35.20	3.85	1.29	0.00
32.65	3.85	1.29	0.00	35.25	3.85	1.29	0.00
32.70	3.85	1.29	0.00	35.30	3.85	1.29	0.00
32.75	3.85	1.29	0.00	35.35	3.85	1.29	0.00
32.80	3.85	1.29	0.00	35.40	3.85	1.29	0.00
32.85	3.85	1.29	0.00	35.45	3.85	1.29	0.00
32.90	3.85	1.29	0.00	35.50	3.85	1.29	0.00
32.95	3.85	1.29	0.00	35.55	3.85	1.29	0.00
33.00	3.85	1.29	0.00	35.60	3.85	1.29	0.00
33.05	3.85	1.29	0.00	35.65	3.85	1.29	0.00
33.10	3.85	1.29	0.00	35.70	3.85	1.29	0.00
33.15	3.85	1.29	0.00	35.75	3.85	1.29	0.00
33.20	3.85	1.29	0.00	35.80	3.85	1.29	0.00
33.25	3.85	1.29	0.00	35.85	3.85	1.29	0.00
33.30	3.85	1.29	0.00	35.90	3.85	1.29	0.00
33.35	3.85	1.29	0.00	35.95	3.85	1.29	0.00
33.40	3.85	1.29	0.00	36.00	3.85	1.29	0.00
33.45	3.85	1.29	0.00	36.05	3.85	1.29	0.00
33.50	3.85	1.29	0.00	36.10	3.85	1.29	0.00
33.55	3.85	1.29	0.00	36.15	3.85	1.29	0.00
33.60	3.85	1.29	0.00	36.20	3.85	1.29	0.00
33.65	3.85	1.29	0.00	36.25	3.85	1.29	0.00
33.70	3.85	1.29	0.00	36.30	3.85	1.29	0.00
33.75	3.85	1.29	0.00	36.35	3.85	1.29	0.00

2025-07-14 Existing - Offsite Split- 081391

NOAA 24-hr C Future 2 yr Rainfall=3.85"

Prepared by Bowman Consulting Group

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Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.29	0.00	39.00	3.85	1.29	0.00
36.45	3.85	1.29	0.00	39.05	3.85	1.29	0.00
36.50	3.85	1.29	0.00	39.10	3.85	1.29	0.00
36.55	3.85	1.29	0.00	39.15	3.85	1.29	0.00
36.60	3.85	1.29	0.00	39.20	3.85	1.29	0.00
36.65	3.85	1.29	0.00	39.25	3.85	1.29	0.00
36.70	3.85	1.29	0.00	39.30	3.85	1.29	0.00
36.75	3.85	1.29	0.00	39.35	3.85	1.29	0.00
36.80	3.85	1.29	0.00	39.40	3.85	1.29	0.00
36.85	3.85	1.29	0.00	39.45	3.85	1.29	0.00
36.90	3.85	1.29	0.00	39.50	3.85	1.29	0.00
36.95	3.85	1.29	0.00	39.55	3.85	1.29	0.00
37.00	3.85	1.29	0.00	39.60	3.85	1.29	0.00
37.05	3.85	1.29	0.00	39.65	3.85	1.29	0.00
37.10	3.85	1.29	0.00	39.70	3.85	1.29	0.00
37.15	3.85	1.29	0.00	39.75	3.85	1.29	0.00
37.20	3.85	1.29	0.00	39.80	3.85	1.29	0.00
37.25	3.85	1.29	0.00	39.85	3.85	1.29	0.00
37.30	3.85	1.29	0.00	39.90	3.85	1.29	0.00
37.35	3.85	1.29	0.00	39.95	3.85	1.29	0.00
37.40	3.85	1.29	0.00	40.00	3.85	1.29	0.00
37.45	3.85	1.29	0.00				
37.50	3.85	1.29	0.00				
37.55	3.85	1.29	0.00				
37.60	3.85	1.29	0.00				
37.65	3.85	1.29	0.00				
37.70	3.85	1.29	0.00				
37.75	3.85	1.29	0.00				
37.80	3.85	1.29	0.00				
37.85	3.85	1.29	0.00				
37.90	3.85	1.29	0.00				
37.95	3.85	1.29	0.00				
38.00	3.85	1.29	0.00				
38.05	3.85	1.29	0.00				
38.10	3.85	1.29	0.00				
38.15	3.85	1.29	0.00				
38.20	3.85	1.29	0.00				
38.25	3.85	1.29	0.00				
38.30	3.85	1.29	0.00				
38.35	3.85	1.29	0.00				
38.40	3.85	1.29	0.00				
38.45	3.85	1.29	0.00				
38.50	3.85	1.29	0.00				
38.55	3.85	1.29	0.00				
38.60	3.85	1.29	0.00				
38.65	3.85	1.29	0.00				
38.70	3.85	1.29	0.00				
38.75	3.85	1.29	0.00				
38.80	3.85	1.29	0.00				
38.85	3.85	1.29	0.00				
38.90	3.85	1.29	0.00				
38.95	3.85	1.29	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 40.93 cfs @ 12.17 hrs, Volume= 3.060 af, Depth= 1.23"
Routed to Link XDA-6O : XDA-6O

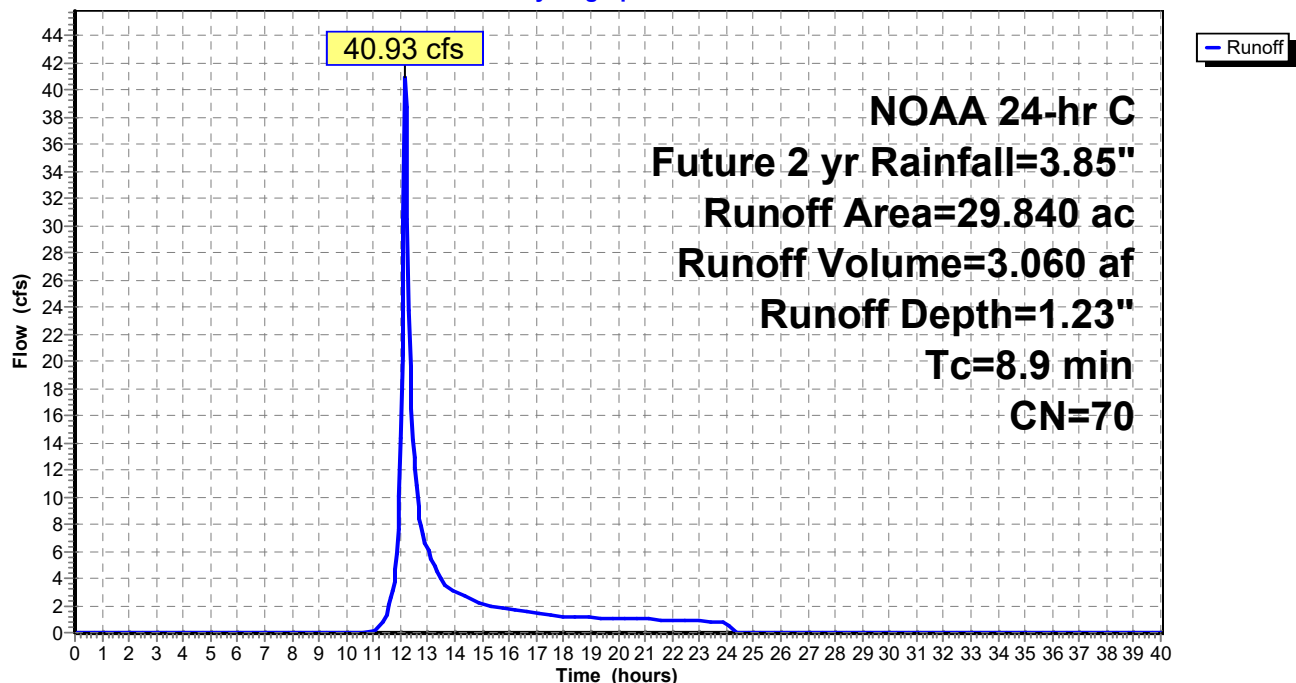
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.67	6.19
10.45	0.78	0.00	0.00	13.05	2.94	0.68	5.89
10.50	0.79	0.00	0.00	13.10	2.96	0.69	5.58
10.55	0.80	0.00	0.00	13.15	2.97	0.70	5.28
10.60	0.82	0.00	0.00	13.20	2.98	0.71	5.04
10.65	0.83	0.00	0.00	13.25	3.00	0.71	4.84
10.70	0.84	0.00	0.00	13.30	3.01	0.72	4.66
10.75	0.85	0.00	0.00	13.35	3.02	0.73	4.49
10.80	0.87	0.00	0.00	13.40	3.03	0.73	4.32
10.85	0.88	0.00	0.00	13.45	3.05	0.74	4.14
10.90	0.89	0.00	0.02	13.50	3.06	0.75	3.97
10.95	0.91	0.00	0.06	13.55	3.07	0.75	3.80
11.00	0.92	0.00	0.11	13.60	3.08	0.76	3.62
11.05	0.94	0.00	0.17	13.65	3.09	0.76	3.46
11.10	0.96	0.00	0.25	13.70	3.09	0.77	3.35
11.15	0.98	0.00	0.33	13.75	3.10	0.77	3.27
11.20	1.00	0.00	0.44	13.80	3.11	0.78	3.22
11.25	1.02	0.01	0.55	13.85	3.12	0.78	3.17
11.30	1.04	0.01	0.68	13.90	3.13	0.79	3.13
11.35	1.06	0.01	0.82	13.95	3.14	0.79	3.08
11.40	1.09	0.01	0.98	14.00	3.15	0.80	3.04
11.45	1.11	0.01	1.15	14.05	3.16	0.80	3.00
11.50	1.14	0.02	1.33	14.10	3.16	0.81	2.95
11.55	1.18	0.02	1.56	14.15	3.17	0.81	2.91
11.60	1.22	0.03	2.02	14.20	3.18	0.82	2.86
11.65	1.26	0.03	2.61	14.25	3.19	0.82	2.82
11.70	1.30	0.04	3.16	14.30	3.20	0.83	2.77
11.75	1.35	0.05	3.73	14.35	3.20	0.83	2.73
11.80	1.41	0.06	4.62	14.40	3.21	0.83	2.68
11.85	1.49	0.08	5.85	14.45	3.22	0.84	2.63
11.90	1.57	0.10	7.58	14.50	3.23	0.84	2.59
11.95	1.70	0.14	10.01	14.55	3.23	0.85	2.54
12.00	1.83	0.18	14.31	14.60	3.24	0.85	2.50
12.05	2.06	0.26	20.59	14.65	3.25	0.85	2.45
12.10	2.28	0.36	30.41	14.70	3.25	0.86	2.40
12.15	2.36	0.39	40.14	14.75	3.26	0.86	2.35
12.20	2.44	0.43	38.79	14.80	3.26	0.87	2.30
12.25	2.50	0.45	30.42	14.85	3.27	0.87	2.26
12.30	2.55	0.48	23.79	14.90	3.28	0.87	2.21
12.35	2.59	0.50	19.56	14.95	3.28	0.88	2.16
12.40	2.63	0.52	16.49	15.00	3.29	0.88	2.11
12.45	2.67	0.54	14.24	15.05	3.29	0.88	2.06
12.50	2.71	0.56	12.97	15.10	3.30	0.89	2.01
12.55	2.74	0.57	12.15	15.15	3.30	0.89	1.97
12.60	2.76	0.59	10.80	15.20	3.31	0.89	1.94
12.65	2.79	0.60	9.29	15.25	3.31	0.90	1.92
12.70	2.81	0.61	8.34	15.30	3.32	0.90	1.90
12.75	2.83	0.62	7.81	15.35	3.32	0.90	1.89
12.80	2.85	0.63	7.43	15.40	3.33	0.90	1.88
12.85	2.87	0.64	7.11	15.45	3.34	0.91	1.87
12.90	2.89	0.65	6.79	15.50	3.34	0.91	1.85
12.95	2.91	0.66	6.50	15.55	3.35	0.91	1.84

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.92	1.83	18.20	3.56	1.04	1.16
15.65	3.36	0.92	1.82	18.25	3.56	1.05	1.16
15.70	3.36	0.92	1.81	18.30	3.56	1.05	1.16
15.75	3.36	0.93	1.79	18.35	3.57	1.05	1.15
15.80	3.37	0.93	1.78	18.40	3.57	1.05	1.15
15.85	3.37	0.93	1.77	18.45	3.57	1.05	1.15
15.90	3.38	0.93	1.76	18.50	3.58	1.06	1.14
15.95	3.38	0.94	1.75	18.55	3.58	1.06	1.14
16.00	3.39	0.94	1.73	18.60	3.58	1.06	1.14
16.05	3.39	0.94	1.72	18.65	3.58	1.06	1.13
16.10	3.40	0.95	1.71	18.70	3.59	1.06	1.13
16.15	3.40	0.95	1.70	18.75	3.59	1.06	1.13
16.20	3.41	0.95	1.69	18.80	3.59	1.07	1.12
16.25	3.41	0.95	1.67	18.85	3.60	1.07	1.12
16.30	3.42	0.96	1.66	18.90	3.60	1.07	1.12
16.35	3.42	0.96	1.64	18.95	3.60	1.07	1.11
16.40	3.42	0.96	1.63	19.00	3.61	1.07	1.11
16.45	3.43	0.96	1.62	19.05	3.61	1.08	1.11
16.50	3.43	0.97	1.61	19.10	3.61	1.08	1.11
16.55	3.44	0.97	1.59	19.15	3.61	1.08	1.10
16.60	3.44	0.97	1.58	19.20	3.62	1.08	1.10
16.65	3.45	0.98	1.57	19.25	3.62	1.08	1.10
16.70	3.45	0.98	1.56	19.30	3.62	1.08	1.09
16.75	3.45	0.98	1.55	19.35	3.63	1.09	1.09
16.80	3.46	0.98	1.53	19.40	3.63	1.09	1.09
16.85	3.46	0.99	1.52	19.45	3.63	1.09	1.08
16.90	3.47	0.99	1.50	19.50	3.63	1.09	1.08
16.95	3.47	0.99	1.49	19.55	3.64	1.09	1.08
17.00	3.47	0.99	1.48	19.60	3.64	1.10	1.07
17.05	3.48	0.99	1.47	19.65	3.64	1.10	1.07
17.10	3.48	1.00	1.45	19.70	3.65	1.10	1.07
17.15	3.49	1.00	1.44	19.75	3.65	1.10	1.07
17.20	3.49	1.00	1.43	19.80	3.65	1.10	1.06
17.25	3.49	1.00	1.42	19.85	3.65	1.10	1.06
17.30	3.50	1.01	1.40	19.90	3.66	1.11	1.06
17.35	3.50	1.01	1.38	19.95	3.66	1.11	1.05
17.40	3.50	1.01	1.37	20.00	3.66	1.11	1.05
17.45	3.51	1.01	1.36	20.05	3.66	1.11	1.05
17.50	3.51	1.02	1.35	20.10	3.67	1.11	1.04
17.55	3.52	1.02	1.33	20.15	3.67	1.11	1.04
17.60	3.52	1.02	1.32	20.20	3.67	1.12	1.04
17.65	3.52	1.02	1.31	20.25	3.68	1.12	1.03
17.70	3.53	1.02	1.29	20.30	3.68	1.12	1.03
17.75	3.53	1.03	1.28	20.35	3.68	1.12	1.03
17.80	3.53	1.03	1.27	20.40	3.68	1.12	1.02
17.85	3.54	1.03	1.25	20.45	3.69	1.12	1.02
17.90	3.54	1.03	1.24	20.50	3.69	1.13	1.02
17.95	3.54	1.03	1.23	20.55	3.69	1.13	1.01
18.00	3.54	1.04	1.21	20.60	3.69	1.13	1.01
18.05	3.55	1.04	1.20	20.65	3.70	1.13	1.01
18.10	3.55	1.04	1.19	20.70	3.70	1.13	1.01
18.15	3.55	1.04	1.17	20.75	3.70	1.13	1.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.14	1.00	23.40	3.82	1.21	0.82
20.85	3.71	1.14	0.99	23.45	3.83	1.22	0.82
20.90	3.71	1.14	0.99	23.50	3.83	1.22	0.82
20.95	3.71	1.14	0.99	23.55	3.83	1.22	0.81
21.00	3.71	1.14	0.98	23.60	3.83	1.22	0.81
21.05	3.72	1.14	0.98	23.65	3.84	1.22	0.80
21.10	3.72	1.15	0.98	23.70	3.84	1.22	0.80
21.15	3.72	1.15	0.97	23.75	3.84	1.22	0.80
21.20	3.72	1.15	0.97	23.80	3.84	1.22	0.80
21.25	3.73	1.15	0.97	23.85	3.84	1.23	0.79
21.30	3.73	1.15	0.97	23.90	3.85	1.23	0.79
21.35	3.73	1.15	0.97	23.95	3.85	1.23	0.79
21.40	3.73	1.16	0.96	24.00	3.85	1.23	0.84
21.45	3.74	1.16	0.96	24.05	3.85	1.23	0.85
21.50	3.74	1.16	0.95	24.10	3.85	1.23	0.64
21.55	3.74	1.16	0.95	24.15	3.85	1.23	0.33
21.60	3.74	1.16	0.94	24.20	3.85	1.23	0.14
21.65	3.75	1.16	0.94	24.25	3.85	1.23	0.06
21.70	3.75	1.16	0.94	24.30	3.85	1.23	0.03
21.75	3.75	1.17	0.93	24.35	3.85	1.23	0.01
21.80	3.75	1.17	0.93	24.40	3.85	1.23	0.00
21.85	3.76	1.17	0.93	24.45	3.85	1.23	0.00
21.90	3.76	1.17	0.93	24.50	3.85	1.23	0.00
21.95	3.76	1.17	0.92	24.55	3.85	1.23	0.00
22.00	3.76	1.17	0.92	24.60	3.85	1.23	0.00
22.05	3.77	1.18	0.91	24.65	3.85	1.23	0.00
22.10	3.77	1.18	0.91	24.70	3.85	1.23	0.00
22.15	3.77	1.18	0.91	24.75	3.85	1.23	0.00
22.20	3.77	1.18	0.91	24.80	3.85	1.23	0.00
22.25	3.77	1.18	0.90	24.85	3.85	1.23	0.00
22.30	3.78	1.18	0.90	24.90	3.85	1.23	0.00
22.35	3.78	1.18	0.90	24.95	3.85	1.23	0.00
22.40	3.78	1.19	0.89	25.00	3.85	1.23	0.00
22.45	3.78	1.19	0.89	25.05	3.85	1.23	0.00
22.50	3.79	1.19	0.88	25.10	3.85	1.23	0.00
22.55	3.79	1.19	0.88	25.15	3.85	1.23	0.00
22.60	3.79	1.19	0.88	25.20	3.85	1.23	0.00
22.65	3.79	1.19	0.88	25.25	3.85	1.23	0.00
22.70	3.79	1.19	0.87	25.30	3.85	1.23	0.00
22.75	3.80	1.20	0.87	25.35	3.85	1.23	0.00
22.80	3.80	1.20	0.86	25.40	3.85	1.23	0.00
22.85	3.80	1.20	0.86	25.45	3.85	1.23	0.00
22.90	3.80	1.20	0.86	25.50	3.85	1.23	0.00
22.95	3.81	1.20	0.85	25.55	3.85	1.23	0.00
23.00	3.81	1.20	0.85	25.60	3.85	1.23	0.00
23.05	3.81	1.20	0.85	25.65	3.85	1.23	0.00
23.10	3.81	1.21	0.85	25.70	3.85	1.23	0.00
23.15	3.81	1.21	0.84	25.75	3.85	1.23	0.00
23.20	3.82	1.21	0.84	25.80	3.85	1.23	0.00
23.25	3.82	1.21	0.83	25.85	3.85	1.23	0.00
23.30	3.82	1.21	0.83	25.90	3.85	1.23	0.00
23.35	3.82	1.21	0.82	25.95	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.23	0.00	28.60	3.85	1.23	0.00
26.05	3.85	1.23	0.00	28.65	3.85	1.23	0.00
26.10	3.85	1.23	0.00	28.70	3.85	1.23	0.00
26.15	3.85	1.23	0.00	28.75	3.85	1.23	0.00
26.20	3.85	1.23	0.00	28.80	3.85	1.23	0.00
26.25	3.85	1.23	0.00	28.85	3.85	1.23	0.00
26.30	3.85	1.23	0.00	28.90	3.85	1.23	0.00
26.35	3.85	1.23	0.00	28.95	3.85	1.23	0.00
26.40	3.85	1.23	0.00	29.00	3.85	1.23	0.00
26.45	3.85	1.23	0.00	29.05	3.85	1.23	0.00
26.50	3.85	1.23	0.00	29.10	3.85	1.23	0.00
26.55	3.85	1.23	0.00	29.15	3.85	1.23	0.00
26.60	3.85	1.23	0.00	29.20	3.85	1.23	0.00
26.65	3.85	1.23	0.00	29.25	3.85	1.23	0.00
26.70	3.85	1.23	0.00	29.30	3.85	1.23	0.00
26.75	3.85	1.23	0.00	29.35	3.85	1.23	0.00
26.80	3.85	1.23	0.00	29.40	3.85	1.23	0.00
26.85	3.85	1.23	0.00	29.45	3.85	1.23	0.00
26.90	3.85	1.23	0.00	29.50	3.85	1.23	0.00
26.95	3.85	1.23	0.00	29.55	3.85	1.23	0.00
27.00	3.85	1.23	0.00	29.60	3.85	1.23	0.00
27.05	3.85	1.23	0.00	29.65	3.85	1.23	0.00
27.10	3.85	1.23	0.00	29.70	3.85	1.23	0.00
27.15	3.85	1.23	0.00	29.75	3.85	1.23	0.00
27.20	3.85	1.23	0.00	29.80	3.85	1.23	0.00
27.25	3.85	1.23	0.00	29.85	3.85	1.23	0.00
27.30	3.85	1.23	0.00	29.90	3.85	1.23	0.00
27.35	3.85	1.23	0.00	29.95	3.85	1.23	0.00
27.40	3.85	1.23	0.00	30.00	3.85	1.23	0.00
27.45	3.85	1.23	0.00	30.05	3.85	1.23	0.00
27.50	3.85	1.23	0.00	30.10	3.85	1.23	0.00
27.55	3.85	1.23	0.00	30.15	3.85	1.23	0.00
27.60	3.85	1.23	0.00	30.20	3.85	1.23	0.00
27.65	3.85	1.23	0.00	30.25	3.85	1.23	0.00
27.70	3.85	1.23	0.00	30.30	3.85	1.23	0.00
27.75	3.85	1.23	0.00	30.35	3.85	1.23	0.00
27.80	3.85	1.23	0.00	30.40	3.85	1.23	0.00
27.85	3.85	1.23	0.00	30.45	3.85	1.23	0.00
27.90	3.85	1.23	0.00	30.50	3.85	1.23	0.00
27.95	3.85	1.23	0.00	30.55	3.85	1.23	0.00
28.00	3.85	1.23	0.00	30.60	3.85	1.23	0.00
28.05	3.85	1.23	0.00	30.65	3.85	1.23	0.00
28.10	3.85	1.23	0.00	30.70	3.85	1.23	0.00
28.15	3.85	1.23	0.00	30.75	3.85	1.23	0.00
28.20	3.85	1.23	0.00	30.80	3.85	1.23	0.00
28.25	3.85	1.23	0.00	30.85	3.85	1.23	0.00
28.30	3.85	1.23	0.00	30.90	3.85	1.23	0.00
28.35	3.85	1.23	0.00	30.95	3.85	1.23	0.00
28.40	3.85	1.23	0.00	31.00	3.85	1.23	0.00
28.45	3.85	1.23	0.00	31.05	3.85	1.23	0.00
28.50	3.85	1.23	0.00	31.10	3.85	1.23	0.00
28.55	3.85	1.23	0.00	31.15	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.23	0.00	33.80	3.85	1.23	0.00
31.25	3.85	1.23	0.00	33.85	3.85	1.23	0.00
31.30	3.85	1.23	0.00	33.90	3.85	1.23	0.00
31.35	3.85	1.23	0.00	33.95	3.85	1.23	0.00
31.40	3.85	1.23	0.00	34.00	3.85	1.23	0.00
31.45	3.85	1.23	0.00	34.05	3.85	1.23	0.00
31.50	3.85	1.23	0.00	34.10	3.85	1.23	0.00
31.55	3.85	1.23	0.00	34.15	3.85	1.23	0.00
31.60	3.85	1.23	0.00	34.20	3.85	1.23	0.00
31.65	3.85	1.23	0.00	34.25	3.85	1.23	0.00
31.70	3.85	1.23	0.00	34.30	3.85	1.23	0.00
31.75	3.85	1.23	0.00	34.35	3.85	1.23	0.00
31.80	3.85	1.23	0.00	34.40	3.85	1.23	0.00
31.85	3.85	1.23	0.00	34.45	3.85	1.23	0.00
31.90	3.85	1.23	0.00	34.50	3.85	1.23	0.00
31.95	3.85	1.23	0.00	34.55	3.85	1.23	0.00
32.00	3.85	1.23	0.00	34.60	3.85	1.23	0.00
32.05	3.85	1.23	0.00	34.65	3.85	1.23	0.00
32.10	3.85	1.23	0.00	34.70	3.85	1.23	0.00
32.15	3.85	1.23	0.00	34.75	3.85	1.23	0.00
32.20	3.85	1.23	0.00	34.80	3.85	1.23	0.00
32.25	3.85	1.23	0.00	34.85	3.85	1.23	0.00
32.30	3.85	1.23	0.00	34.90	3.85	1.23	0.00
32.35	3.85	1.23	0.00	34.95	3.85	1.23	0.00
32.40	3.85	1.23	0.00	35.00	3.85	1.23	0.00
32.45	3.85	1.23	0.00	35.05	3.85	1.23	0.00
32.50	3.85	1.23	0.00	35.10	3.85	1.23	0.00
32.55	3.85	1.23	0.00	35.15	3.85	1.23	0.00
32.60	3.85	1.23	0.00	35.20	3.85	1.23	0.00
32.65	3.85	1.23	0.00	35.25	3.85	1.23	0.00
32.70	3.85	1.23	0.00	35.30	3.85	1.23	0.00
32.75	3.85	1.23	0.00	35.35	3.85	1.23	0.00
32.80	3.85	1.23	0.00	35.40	3.85	1.23	0.00
32.85	3.85	1.23	0.00	35.45	3.85	1.23	0.00
32.90	3.85	1.23	0.00	35.50	3.85	1.23	0.00
32.95	3.85	1.23	0.00	35.55	3.85	1.23	0.00
33.00	3.85	1.23	0.00	35.60	3.85	1.23	0.00
33.05	3.85	1.23	0.00	35.65	3.85	1.23	0.00
33.10	3.85	1.23	0.00	35.70	3.85	1.23	0.00
33.15	3.85	1.23	0.00	35.75	3.85	1.23	0.00
33.20	3.85	1.23	0.00	35.80	3.85	1.23	0.00
33.25	3.85	1.23	0.00	35.85	3.85	1.23	0.00
33.30	3.85	1.23	0.00	35.90	3.85	1.23	0.00
33.35	3.85	1.23	0.00	35.95	3.85	1.23	0.00
33.40	3.85	1.23	0.00	36.00	3.85	1.23	0.00
33.45	3.85	1.23	0.00	36.05	3.85	1.23	0.00
33.50	3.85	1.23	0.00	36.10	3.85	1.23	0.00
33.55	3.85	1.23	0.00	36.15	3.85	1.23	0.00
33.60	3.85	1.23	0.00	36.20	3.85	1.23	0.00
33.65	3.85	1.23	0.00	36.25	3.85	1.23	0.00
33.70	3.85	1.23	0.00	36.30	3.85	1.23	0.00
33.75	3.85	1.23	0.00	36.35	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.23	0.00	39.00	3.85	1.23	0.00
36.45	3.85	1.23	0.00	39.05	3.85	1.23	0.00
36.50	3.85	1.23	0.00	39.10	3.85	1.23	0.00
36.55	3.85	1.23	0.00	39.15	3.85	1.23	0.00
36.60	3.85	1.23	0.00	39.20	3.85	1.23	0.00
36.65	3.85	1.23	0.00	39.25	3.85	1.23	0.00
36.70	3.85	1.23	0.00	39.30	3.85	1.23	0.00
36.75	3.85	1.23	0.00	39.35	3.85	1.23	0.00
36.80	3.85	1.23	0.00	39.40	3.85	1.23	0.00
36.85	3.85	1.23	0.00	39.45	3.85	1.23	0.00
36.90	3.85	1.23	0.00	39.50	3.85	1.23	0.00
36.95	3.85	1.23	0.00	39.55	3.85	1.23	0.00
37.00	3.85	1.23	0.00	39.60	3.85	1.23	0.00
37.05	3.85	1.23	0.00	39.65	3.85	1.23	0.00
37.10	3.85	1.23	0.00	39.70	3.85	1.23	0.00
37.15	3.85	1.23	0.00	39.75	3.85	1.23	0.00
37.20	3.85	1.23	0.00	39.80	3.85	1.23	0.00
37.25	3.85	1.23	0.00	39.85	3.85	1.23	0.00
37.30	3.85	1.23	0.00	39.90	3.85	1.23	0.00
37.35	3.85	1.23	0.00	39.95	3.85	1.23	0.00
37.40	3.85	1.23	0.00	40.00	3.85	1.23	0.00
37.45	3.85	1.23	0.00				
37.50	3.85	1.23	0.00				
37.55	3.85	1.23	0.00				
37.60	3.85	1.23	0.00				
37.65	3.85	1.23	0.00				
37.70	3.85	1.23	0.00				
37.75	3.85	1.23	0.00				
37.80	3.85	1.23	0.00				
37.85	3.85	1.23	0.00				
37.90	3.85	1.23	0.00				
37.95	3.85	1.23	0.00				
38.00	3.85	1.23	0.00				
38.05	3.85	1.23	0.00				
38.10	3.85	1.23	0.00				
38.15	3.85	1.23	0.00				
38.20	3.85	1.23	0.00				
38.25	3.85	1.23	0.00				
38.30	3.85	1.23	0.00				
38.35	3.85	1.23	0.00				
38.40	3.85	1.23	0.00				
38.45	3.85	1.23	0.00				
38.50	3.85	1.23	0.00				
38.55	3.85	1.23	0.00				
38.60	3.85	1.23	0.00				
38.65	3.85	1.23	0.00				
38.70	3.85	1.23	0.00				
38.75	3.85	1.23	0.00				
38.80	3.85	1.23	0.00				
38.85	3.85	1.23	0.00				
38.90	3.85	1.23	0.00				
38.95	3.85	1.23	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 2.95 cfs @ 12.20 hrs, Volume= 0.273 af, Depth= 0.69"

Routed to Link XDA-4 : Existing Drainage Area #4

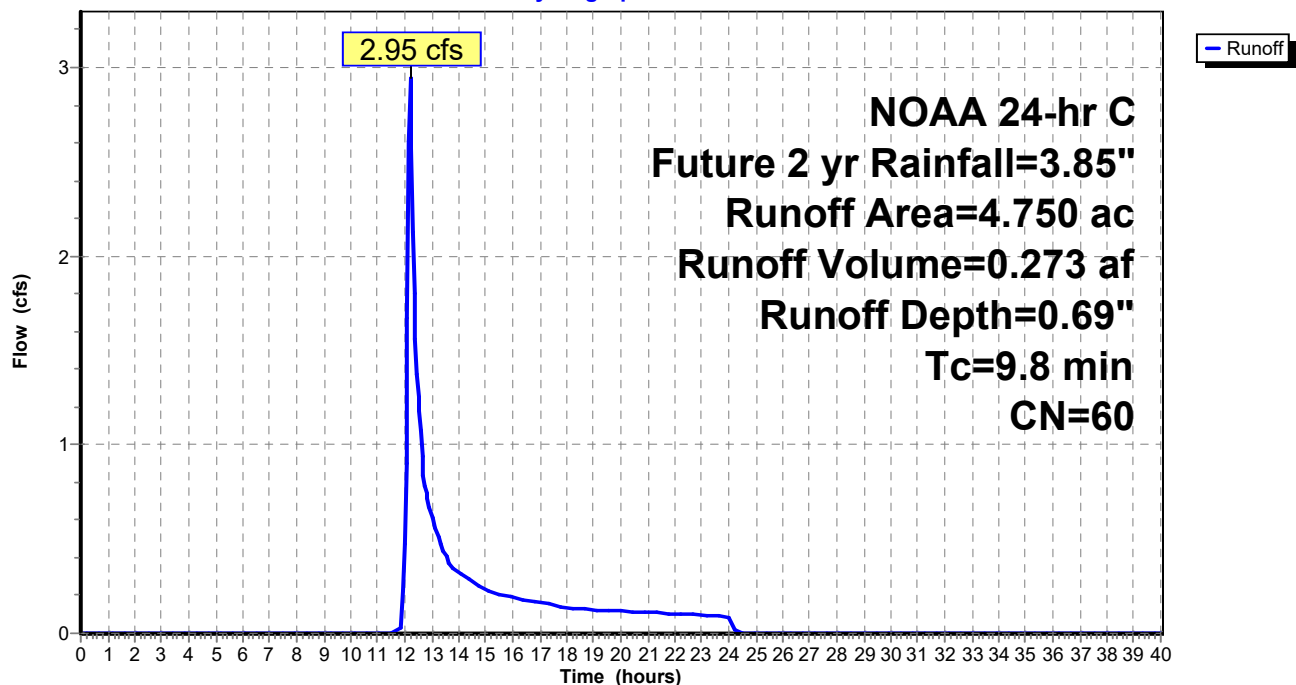
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.31	0.63
10.45	0.78	0.00	0.00	13.05	2.94	0.31	0.60
10.50	0.79	0.00	0.00	13.10	2.96	0.32	0.57
10.55	0.80	0.00	0.00	13.15	2.97	0.32	0.55
10.60	0.82	0.00	0.00	13.20	2.98	0.33	0.52
10.65	0.83	0.00	0.00	13.25	3.00	0.33	0.50
10.70	0.84	0.00	0.00	13.30	3.01	0.34	0.48
10.75	0.85	0.00	0.00	13.35	3.02	0.34	0.47
10.80	0.87	0.00	0.00	13.40	3.03	0.35	0.45
10.85	0.88	0.00	0.00	13.45	3.05	0.35	0.43
10.90	0.89	0.00	0.00	13.50	3.06	0.35	0.42
10.95	0.91	0.00	0.00	13.55	3.07	0.36	0.40
11.00	0.92	0.00	0.00	13.60	3.08	0.36	0.38
11.05	0.94	0.00	0.00	13.65	3.09	0.36	0.36
11.10	0.96	0.00	0.00	13.70	3.09	0.37	0.35
11.15	0.98	0.00	0.00	13.75	3.10	0.37	0.34
11.20	1.00	0.00	0.00	13.80	3.11	0.38	0.34
11.25	1.02	0.00	0.00	13.85	3.12	0.38	0.33
11.30	1.04	0.00	0.00	13.90	3.13	0.38	0.33
11.35	1.06	0.00	0.00	13.95	3.14	0.39	0.33
11.40	1.09	0.00	0.00	14.00	3.15	0.39	0.32
11.45	1.11	0.00	0.00	14.05	3.16	0.39	0.32
11.50	1.14	0.00	0.00	14.10	3.16	0.39	0.31
11.55	1.18	0.00	0.00	14.15	3.17	0.40	0.31
11.60	1.22	0.00	0.00	14.20	3.18	0.40	0.30
11.65	1.26	0.00	0.00	14.25	3.19	0.40	0.30
11.70	1.30	0.00	0.00	14.30	3.20	0.41	0.30
11.75	1.35	0.00	0.00	14.35	3.20	0.41	0.29
11.80	1.41	0.00	0.00	14.40	3.21	0.41	0.29
11.85	1.49	0.00	0.02	14.45	3.22	0.42	0.28
11.90	1.57	0.01	0.09	14.50	3.23	0.42	0.28
11.95	1.70	0.02	0.22	14.55	3.23	0.42	0.27
12.00	1.83	0.04	0.47	14.60	3.24	0.42	0.27
12.05	2.06	0.07	0.91	14.65	3.25	0.43	0.26
12.10	2.28	0.12	1.67	14.70	3.25	0.43	0.26
12.15	2.36	0.14	2.62	14.75	3.26	0.43	0.25
12.20	2.44	0.16	2.95	14.80	3.26	0.43	0.25
12.25	2.50	0.17	2.58	14.85	3.27	0.44	0.24
12.30	2.55	0.19	2.12	14.90	3.28	0.44	0.24
12.35	2.59	0.20	1.81	14.95	3.28	0.44	0.23
12.40	2.63	0.21	1.56	15.00	3.29	0.44	0.23
12.45	2.67	0.22	1.37	15.05	3.29	0.45	0.22
12.50	2.71	0.24	1.25	15.10	3.30	0.45	0.22
12.55	2.74	0.24	1.18	15.15	3.30	0.45	0.21
12.60	2.76	0.25	1.08	15.20	3.31	0.45	0.21
12.65	2.79	0.26	0.94	15.25	3.31	0.45	0.21
12.70	2.81	0.27	0.84	15.30	3.32	0.46	0.21
12.75	2.83	0.27	0.78	15.35	3.32	0.46	0.20
12.80	2.85	0.28	0.75	15.40	3.33	0.46	0.20
12.85	2.87	0.29	0.72	15.45	3.34	0.46	0.20
12.90	2.89	0.30	0.69	15.50	3.34	0.46	0.20
12.95	2.91	0.30	0.66	15.55	3.35	0.47	0.20

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.47	0.20	18.20	3.56	0.56	0.13
15.65	3.36	0.47	0.20	18.25	3.56	0.56	0.13
15.70	3.36	0.47	0.20	18.30	3.56	0.56	0.13
15.75	3.36	0.47	0.20	18.35	3.57	0.56	0.13
15.80	3.37	0.48	0.19	18.40	3.57	0.56	0.13
15.85	3.37	0.48	0.19	18.45	3.57	0.56	0.13
15.90	3.38	0.48	0.19	18.50	3.58	0.56	0.13
15.95	3.38	0.48	0.19	18.55	3.58	0.57	0.13
16.00	3.39	0.48	0.19	18.60	3.58	0.57	0.13
16.05	3.39	0.49	0.19	18.65	3.58	0.57	0.13
16.10	3.40	0.49	0.19	18.70	3.59	0.57	0.13
16.15	3.40	0.49	0.19	18.75	3.59	0.57	0.13
16.20	3.41	0.49	0.18	18.80	3.59	0.57	0.13
16.25	3.41	0.49	0.18	18.85	3.60	0.57	0.13
16.30	3.42	0.50	0.18	18.90	3.60	0.57	0.13
16.35	3.42	0.50	0.18	18.95	3.60	0.58	0.13
16.40	3.42	0.50	0.18	19.00	3.61	0.58	0.12
16.45	3.43	0.50	0.18	19.05	3.61	0.58	0.12
16.50	3.43	0.50	0.18	19.10	3.61	0.58	0.12
16.55	3.44	0.50	0.18	19.15	3.61	0.58	0.12
16.60	3.44	0.51	0.17	19.20	3.62	0.58	0.12
16.65	3.45	0.51	0.17	19.25	3.62	0.58	0.12
16.70	3.45	0.51	0.17	19.30	3.62	0.59	0.12
16.75	3.45	0.51	0.17	19.35	3.63	0.59	0.12
16.80	3.46	0.51	0.17	19.40	3.63	0.59	0.12
16.85	3.46	0.52	0.17	19.45	3.63	0.59	0.12
16.90	3.47	0.52	0.17	19.50	3.63	0.59	0.12
16.95	3.47	0.52	0.17	19.55	3.64	0.59	0.12
17.00	3.47	0.52	0.16	19.60	3.64	0.59	0.12
17.05	3.48	0.52	0.16	19.65	3.64	0.59	0.12
17.10	3.48	0.52	0.16	19.70	3.65	0.60	0.12
17.15	3.49	0.53	0.16	19.75	3.65	0.60	0.12
17.20	3.49	0.53	0.16	19.80	3.65	0.60	0.12
17.25	3.49	0.53	0.16	19.85	3.65	0.60	0.12
17.30	3.50	0.53	0.16	19.90	3.66	0.60	0.12
17.35	3.50	0.53	0.15	19.95	3.66	0.60	0.12
17.40	3.50	0.53	0.15	20.00	3.66	0.60	0.12
17.45	3.51	0.53	0.15	20.05	3.66	0.60	0.12
17.50	3.51	0.54	0.15	20.10	3.67	0.61	0.12
17.55	3.52	0.54	0.15	20.15	3.67	0.61	0.12
17.60	3.52	0.54	0.15	20.20	3.67	0.61	0.12
17.65	3.52	0.54	0.15	20.25	3.68	0.61	0.12
17.70	3.53	0.54	0.14	20.30	3.68	0.61	0.12
17.75	3.53	0.54	0.14	20.35	3.68	0.61	0.12
17.80	3.53	0.55	0.14	20.40	3.68	0.61	0.12
17.85	3.54	0.55	0.14	20.45	3.69	0.61	0.12
17.90	3.54	0.55	0.14	20.50	3.69	0.61	0.12
17.95	3.54	0.55	0.14	20.55	3.69	0.62	0.11
18.00	3.54	0.55	0.14	20.60	3.69	0.62	0.11
18.05	3.55	0.55	0.13	20.65	3.70	0.62	0.11
18.10	3.55	0.55	0.13	20.70	3.70	0.62	0.11
18.15	3.55	0.55	0.13	20.75	3.70	0.62	0.11

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.62	0.11	23.40	3.82	0.68	0.09
20.85	3.71	0.62	0.11	23.45	3.83	0.68	0.09
20.90	3.71	0.62	0.11	23.50	3.83	0.68	0.09
20.95	3.71	0.63	0.11	23.55	3.83	0.68	0.09
21.00	3.71	0.63	0.11	23.60	3.83	0.68	0.09
21.05	3.72	0.63	0.11	23.65	3.84	0.68	0.09
21.10	3.72	0.63	0.11	23.70	3.84	0.68	0.09
21.15	3.72	0.63	0.11	23.75	3.84	0.68	0.09
21.20	3.72	0.63	0.11	23.80	3.84	0.69	0.09
21.25	3.73	0.63	0.11	23.85	3.84	0.69	0.09
21.30	3.73	0.63	0.11	23.90	3.85	0.69	0.09
21.35	3.73	0.63	0.11	23.95	3.85	0.69	0.09
21.40	3.73	0.64	0.11	24.00	3.85	0.69	0.10
21.45	3.74	0.64	0.11	24.05	3.85	0.69	0.10
21.50	3.74	0.64	0.11	24.10	3.85	0.69	0.08
21.55	3.74	0.64	0.11	24.15	3.85	0.69	0.05
21.60	3.74	0.64	0.11	24.20	3.85	0.69	0.02
21.65	3.75	0.64	0.11	24.25	3.85	0.69	0.01
21.70	3.75	0.64	0.11	24.30	3.85	0.69	0.00
21.75	3.75	0.64	0.11	24.35	3.85	0.69	0.00
21.80	3.75	0.64	0.11	24.40	3.85	0.69	0.00
21.85	3.76	0.65	0.11	24.45	3.85	0.69	0.00
21.90	3.76	0.65	0.11	24.50	3.85	0.69	0.00
21.95	3.76	0.65	0.11	24.55	3.85	0.69	0.00
22.00	3.76	0.65	0.10	24.60	3.85	0.69	0.00
22.05	3.77	0.65	0.10	24.65	3.85	0.69	0.00
22.10	3.77	0.65	0.10	24.70	3.85	0.69	0.00
22.15	3.77	0.65	0.10	24.75	3.85	0.69	0.00
22.20	3.77	0.65	0.10	24.80	3.85	0.69	0.00
22.25	3.77	0.65	0.10	24.85	3.85	0.69	0.00
22.30	3.78	0.66	0.10	24.90	3.85	0.69	0.00
22.35	3.78	0.66	0.10	24.95	3.85	0.69	0.00
22.40	3.78	0.66	0.10	25.00	3.85	0.69	0.00
22.45	3.78	0.66	0.10	25.05	3.85	0.69	0.00
22.50	3.79	0.66	0.10	25.10	3.85	0.69	0.00
22.55	3.79	0.66	0.10	25.15	3.85	0.69	0.00
22.60	3.79	0.66	0.10	25.20	3.85	0.69	0.00
22.65	3.79	0.66	0.10	25.25	3.85	0.69	0.00
22.70	3.79	0.66	0.10	25.30	3.85	0.69	0.00
22.75	3.80	0.66	0.10	25.35	3.85	0.69	0.00
22.80	3.80	0.67	0.10	25.40	3.85	0.69	0.00
22.85	3.80	0.67	0.10	25.45	3.85	0.69	0.00
22.90	3.80	0.67	0.10	25.50	3.85	0.69	0.00
22.95	3.81	0.67	0.10	25.55	3.85	0.69	0.00
23.00	3.81	0.67	0.10	25.60	3.85	0.69	0.00
23.05	3.81	0.67	0.10	25.65	3.85	0.69	0.00
23.10	3.81	0.67	0.10	25.70	3.85	0.69	0.00
23.15	3.81	0.67	0.10	25.75	3.85	0.69	0.00
23.20	3.82	0.67	0.10	25.80	3.85	0.69	0.00
23.25	3.82	0.67	0.10	25.85	3.85	0.69	0.00
23.30	3.82	0.68	0.10	25.90	3.85	0.69	0.00
23.35	3.82	0.68	0.09	25.95	3.85	0.69	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.69	0.00	28.60	3.85	0.69	0.00
26.05	3.85	0.69	0.00	28.65	3.85	0.69	0.00
26.10	3.85	0.69	0.00	28.70	3.85	0.69	0.00
26.15	3.85	0.69	0.00	28.75	3.85	0.69	0.00
26.20	3.85	0.69	0.00	28.80	3.85	0.69	0.00
26.25	3.85	0.69	0.00	28.85	3.85	0.69	0.00
26.30	3.85	0.69	0.00	28.90	3.85	0.69	0.00
26.35	3.85	0.69	0.00	28.95	3.85	0.69	0.00
26.40	3.85	0.69	0.00	29.00	3.85	0.69	0.00
26.45	3.85	0.69	0.00	29.05	3.85	0.69	0.00
26.50	3.85	0.69	0.00	29.10	3.85	0.69	0.00
26.55	3.85	0.69	0.00	29.15	3.85	0.69	0.00
26.60	3.85	0.69	0.00	29.20	3.85	0.69	0.00
26.65	3.85	0.69	0.00	29.25	3.85	0.69	0.00
26.70	3.85	0.69	0.00	29.30	3.85	0.69	0.00
26.75	3.85	0.69	0.00	29.35	3.85	0.69	0.00
26.80	3.85	0.69	0.00	29.40	3.85	0.69	0.00
26.85	3.85	0.69	0.00	29.45	3.85	0.69	0.00
26.90	3.85	0.69	0.00	29.50	3.85	0.69	0.00
26.95	3.85	0.69	0.00	29.55	3.85	0.69	0.00
27.00	3.85	0.69	0.00	29.60	3.85	0.69	0.00
27.05	3.85	0.69	0.00	29.65	3.85	0.69	0.00
27.10	3.85	0.69	0.00	29.70	3.85	0.69	0.00
27.15	3.85	0.69	0.00	29.75	3.85	0.69	0.00
27.20	3.85	0.69	0.00	29.80	3.85	0.69	0.00
27.25	3.85	0.69	0.00	29.85	3.85	0.69	0.00
27.30	3.85	0.69	0.00	29.90	3.85	0.69	0.00
27.35	3.85	0.69	0.00	29.95	3.85	0.69	0.00
27.40	3.85	0.69	0.00	30.00	3.85	0.69	0.00
27.45	3.85	0.69	0.00	30.05	3.85	0.69	0.00
27.50	3.85	0.69	0.00	30.10	3.85	0.69	0.00
27.55	3.85	0.69	0.00	30.15	3.85	0.69	0.00
27.60	3.85	0.69	0.00	30.20	3.85	0.69	0.00
27.65	3.85	0.69	0.00	30.25	3.85	0.69	0.00
27.70	3.85	0.69	0.00	30.30	3.85	0.69	0.00
27.75	3.85	0.69	0.00	30.35	3.85	0.69	0.00
27.80	3.85	0.69	0.00	30.40	3.85	0.69	0.00
27.85	3.85	0.69	0.00	30.45	3.85	0.69	0.00
27.90	3.85	0.69	0.00	30.50	3.85	0.69	0.00
27.95	3.85	0.69	0.00	30.55	3.85	0.69	0.00
28.00	3.85	0.69	0.00	30.60	3.85	0.69	0.00
28.05	3.85	0.69	0.00	30.65	3.85	0.69	0.00
28.10	3.85	0.69	0.00	30.70	3.85	0.69	0.00
28.15	3.85	0.69	0.00	30.75	3.85	0.69	0.00
28.20	3.85	0.69	0.00	30.80	3.85	0.69	0.00
28.25	3.85	0.69	0.00	30.85	3.85	0.69	0.00
28.30	3.85	0.69	0.00	30.90	3.85	0.69	0.00
28.35	3.85	0.69	0.00	30.95	3.85	0.69	0.00
28.40	3.85	0.69	0.00	31.00	3.85	0.69	0.00
28.45	3.85	0.69	0.00	31.05	3.85	0.69	0.00
28.50	3.85	0.69	0.00	31.10	3.85	0.69	0.00
28.55	3.85	0.69	0.00	31.15	3.85	0.69	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.69	0.00	33.80	3.85	0.69	0.00
31.25	3.85	0.69	0.00	33.85	3.85	0.69	0.00
31.30	3.85	0.69	0.00	33.90	3.85	0.69	0.00
31.35	3.85	0.69	0.00	33.95	3.85	0.69	0.00
31.40	3.85	0.69	0.00	34.00	3.85	0.69	0.00
31.45	3.85	0.69	0.00	34.05	3.85	0.69	0.00
31.50	3.85	0.69	0.00	34.10	3.85	0.69	0.00
31.55	3.85	0.69	0.00	34.15	3.85	0.69	0.00
31.60	3.85	0.69	0.00	34.20	3.85	0.69	0.00
31.65	3.85	0.69	0.00	34.25	3.85	0.69	0.00
31.70	3.85	0.69	0.00	34.30	3.85	0.69	0.00
31.75	3.85	0.69	0.00	34.35	3.85	0.69	0.00
31.80	3.85	0.69	0.00	34.40	3.85	0.69	0.00
31.85	3.85	0.69	0.00	34.45	3.85	0.69	0.00
31.90	3.85	0.69	0.00	34.50	3.85	0.69	0.00
31.95	3.85	0.69	0.00	34.55	3.85	0.69	0.00
32.00	3.85	0.69	0.00	34.60	3.85	0.69	0.00
32.05	3.85	0.69	0.00	34.65	3.85	0.69	0.00
32.10	3.85	0.69	0.00	34.70	3.85	0.69	0.00
32.15	3.85	0.69	0.00	34.75	3.85	0.69	0.00
32.20	3.85	0.69	0.00	34.80	3.85	0.69	0.00
32.25	3.85	0.69	0.00	34.85	3.85	0.69	0.00
32.30	3.85	0.69	0.00	34.90	3.85	0.69	0.00
32.35	3.85	0.69	0.00	34.95	3.85	0.69	0.00
32.40	3.85	0.69	0.00	35.00	3.85	0.69	0.00
32.45	3.85	0.69	0.00	35.05	3.85	0.69	0.00
32.50	3.85	0.69	0.00	35.10	3.85	0.69	0.00
32.55	3.85	0.69	0.00	35.15	3.85	0.69	0.00
32.60	3.85	0.69	0.00	35.20	3.85	0.69	0.00
32.65	3.85	0.69	0.00	35.25	3.85	0.69	0.00
32.70	3.85	0.69	0.00	35.30	3.85	0.69	0.00
32.75	3.85	0.69	0.00	35.35	3.85	0.69	0.00
32.80	3.85	0.69	0.00	35.40	3.85	0.69	0.00
32.85	3.85	0.69	0.00	35.45	3.85	0.69	0.00
32.90	3.85	0.69	0.00	35.50	3.85	0.69	0.00
32.95	3.85	0.69	0.00	35.55	3.85	0.69	0.00
33.00	3.85	0.69	0.00	35.60	3.85	0.69	0.00
33.05	3.85	0.69	0.00	35.65	3.85	0.69	0.00
33.10	3.85	0.69	0.00	35.70	3.85	0.69	0.00
33.15	3.85	0.69	0.00	35.75	3.85	0.69	0.00
33.20	3.85	0.69	0.00	35.80	3.85	0.69	0.00
33.25	3.85	0.69	0.00	35.85	3.85	0.69	0.00
33.30	3.85	0.69	0.00	35.90	3.85	0.69	0.00
33.35	3.85	0.69	0.00	35.95	3.85	0.69	0.00
33.40	3.85	0.69	0.00	36.00	3.85	0.69	0.00
33.45	3.85	0.69	0.00	36.05	3.85	0.69	0.00
33.50	3.85	0.69	0.00	36.10	3.85	0.69	0.00
33.55	3.85	0.69	0.00	36.15	3.85	0.69	0.00
33.60	3.85	0.69	0.00	36.20	3.85	0.69	0.00
33.65	3.85	0.69	0.00	36.25	3.85	0.69	0.00
33.70	3.85	0.69	0.00	36.30	3.85	0.69	0.00
33.75	3.85	0.69	0.00	36.35	3.85	0.69	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.69	0.00	39.00	3.85	0.69	0.00
36.45	3.85	0.69	0.00	39.05	3.85	0.69	0.00
36.50	3.85	0.69	0.00	39.10	3.85	0.69	0.00
36.55	3.85	0.69	0.00	39.15	3.85	0.69	0.00
36.60	3.85	0.69	0.00	39.20	3.85	0.69	0.00
36.65	3.85	0.69	0.00	39.25	3.85	0.69	0.00
36.70	3.85	0.69	0.00	39.30	3.85	0.69	0.00
36.75	3.85	0.69	0.00	39.35	3.85	0.69	0.00
36.80	3.85	0.69	0.00	39.40	3.85	0.69	0.00
36.85	3.85	0.69	0.00	39.45	3.85	0.69	0.00
36.90	3.85	0.69	0.00	39.50	3.85	0.69	0.00
36.95	3.85	0.69	0.00	39.55	3.85	0.69	0.00
37.00	3.85	0.69	0.00	39.60	3.85	0.69	0.00
37.05	3.85	0.69	0.00	39.65	3.85	0.69	0.00
37.10	3.85	0.69	0.00	39.70	3.85	0.69	0.00
37.15	3.85	0.69	0.00	39.75	3.85	0.69	0.00
37.20	3.85	0.69	0.00	39.80	3.85	0.69	0.00
37.25	3.85	0.69	0.00	39.85	3.85	0.69	0.00
37.30	3.85	0.69	0.00	39.90	3.85	0.69	0.00
37.35	3.85	0.69	0.00	39.95	3.85	0.69	0.00
37.40	3.85	0.69	0.00	40.00	3.85	0.69	0.00
37.45	3.85	0.69	0.00				
37.50	3.85	0.69	0.00				
37.55	3.85	0.69	0.00				
37.60	3.85	0.69	0.00				
37.65	3.85	0.69	0.00				
37.70	3.85	0.69	0.00				
37.75	3.85	0.69	0.00				
37.80	3.85	0.69	0.00				
37.85	3.85	0.69	0.00				
37.90	3.85	0.69	0.00				
37.95	3.85	0.69	0.00				
38.00	3.85	0.69	0.00				
38.05	3.85	0.69	0.00				
38.10	3.85	0.69	0.00				
38.15	3.85	0.69	0.00				
38.20	3.85	0.69	0.00				
38.25	3.85	0.69	0.00				
38.30	3.85	0.69	0.00				
38.35	3.85	0.69	0.00				
38.40	3.85	0.69	0.00				
38.45	3.85	0.69	0.00				
38.50	3.85	0.69	0.00				
38.55	3.85	0.69	0.00				
38.60	3.85	0.69	0.00				
38.65	3.85	0.69	0.00				
38.70	3.85	0.69	0.00				
38.75	3.85	0.69	0.00				
38.80	3.85	0.69	0.00				
38.85	3.85	0.69	0.00				
38.90	3.85	0.69	0.00				
38.95	3.85	0.69	0.00				

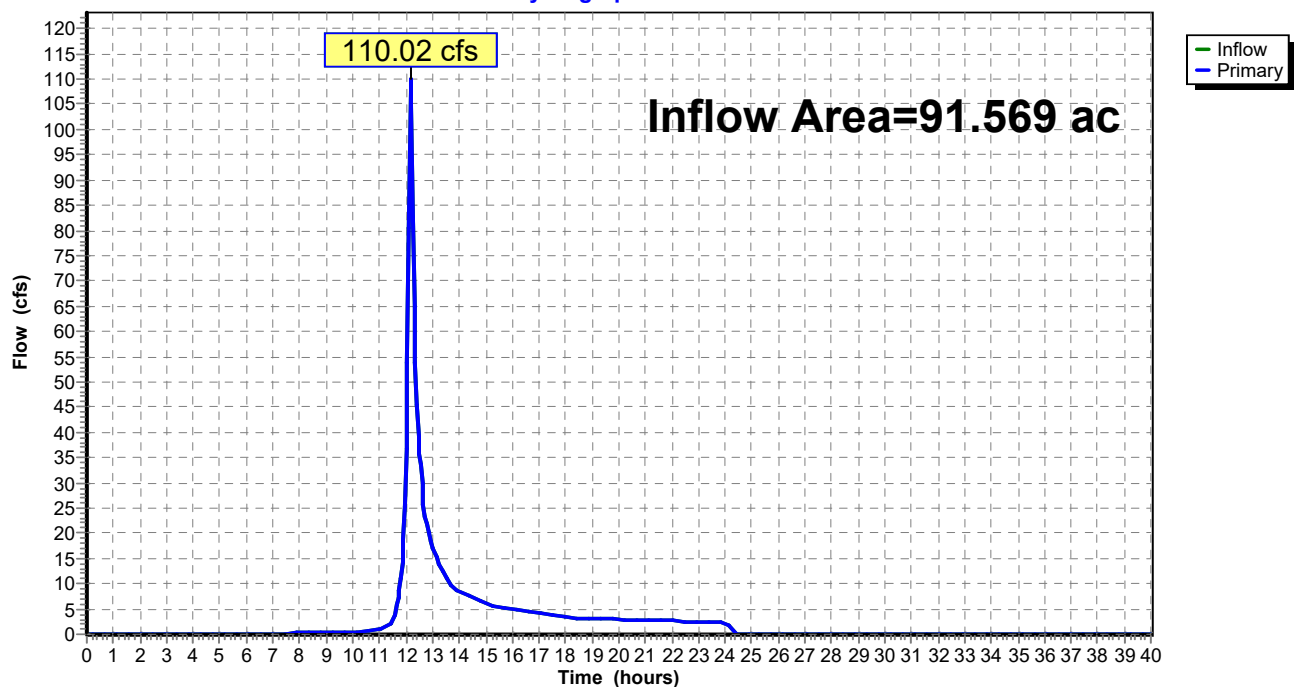
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 1.12" for Future 2 yr event
 Inflow = 110.02 cfs @ 12.17 hrs, Volume= 8.535 af
 Primary = 110.02 cfs @ 12.17 hrs, Volume= 8.535 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.01	0.00	0.01
1.50	0.00	0.00	0.00	4.10	0.01	0.00	0.01
1.55	0.00	0.00	0.00	4.15	0.01	0.00	0.01
1.60	0.00	0.00	0.00	4.20	0.01	0.00	0.01
1.65	0.00	0.00	0.00	4.25	0.01	0.00	0.01
1.70	0.00	0.00	0.00	4.30	0.01	0.00	0.01
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.00	0.00	0.00	4.65	0.03	0.00	0.03
2.10	0.00	0.00	0.00	4.70	0.03	0.00	0.03
2.15	0.00	0.00	0.00	4.75	0.03	0.00	0.03
2.20	0.00	0.00	0.00	4.80	0.03	0.00	0.03
2.25	0.00	0.00	0.00	4.85	0.03	0.00	0.03
2.30	0.00	0.00	0.00	4.90	0.03	0.00	0.03
2.35	0.00	0.00	0.00	4.95	0.04	0.00	0.04
2.40	0.00	0.00	0.00	5.00	0.04	0.00	0.04
2.45	0.00	0.00	0.00	5.05	0.04	0.00	0.04
2.50	0.00	0.00	0.00	5.10	0.04	0.00	0.04
2.55	0.00	0.00	0.00	5.15	0.04	0.00	0.04

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.04	0.00	0.04	7.80	0.18	0.00	0.18
5.25	0.05	0.00	0.05	7.85	0.18	0.00	0.18
5.30	0.05	0.00	0.05	7.90	0.18	0.00	0.18
5.35	0.05	0.00	0.05	7.95	0.19	0.00	0.19
5.40	0.05	0.00	0.05	8.00	0.19	0.00	0.19
5.45	0.05	0.00	0.05	8.05	0.19	0.00	0.19
5.50	0.05	0.00	0.05	8.10	0.20	0.00	0.20
5.55	0.06	0.00	0.06	8.15	0.20	0.00	0.20
5.60	0.06	0.00	0.06	8.20	0.21	0.00	0.21
5.65	0.06	0.00	0.06	8.25	0.21	0.00	0.21
5.70	0.06	0.00	0.06	8.30	0.21	0.00	0.21
5.75	0.06	0.00	0.06	8.35	0.22	0.00	0.22
5.80	0.06	0.00	0.06	8.40	0.22	0.00	0.22
5.85	0.07	0.00	0.07	8.45	0.22	0.00	0.22
5.90	0.07	0.00	0.07	8.50	0.23	0.00	0.23
5.95	0.07	0.00	0.07	8.55	0.23	0.00	0.23
6.00	0.07	0.00	0.07	8.60	0.24	0.00	0.24
6.05	0.07	0.00	0.07	8.65	0.24	0.00	0.24
6.10	0.07	0.00	0.07	8.70	0.24	0.00	0.24
6.15	0.08	0.00	0.08	8.75	0.25	0.00	0.25
6.20	0.08	0.00	0.08	8.80	0.25	0.00	0.25
6.25	0.08	0.00	0.08	8.85	0.26	0.00	0.26
6.30	0.08	0.00	0.08	8.90	0.26	0.00	0.26
6.35	0.09	0.00	0.09	8.95	0.26	0.00	0.26
6.40	0.09	0.00	0.09	9.00	0.27	0.00	0.27
6.45	0.09	0.00	0.09	9.05	0.27	0.00	0.27
6.50	0.09	0.00	0.09	9.10	0.28	0.00	0.28
6.55	0.10	0.00	0.10	9.15	0.29	0.00	0.29
6.60	0.10	0.00	0.10	9.20	0.30	0.00	0.30
6.65	0.10	0.00	0.10	9.25	0.31	0.00	0.31
6.70	0.11	0.00	0.11	9.30	0.32	0.00	0.32
6.75	0.11	0.00	0.11	9.35	0.33	0.00	0.33
6.80	0.11	0.00	0.11	9.40	0.34	0.00	0.34
6.85	0.11	0.00	0.11	9.45	0.35	0.00	0.35
6.90	0.12	0.00	0.12	9.50	0.36	0.00	0.36
6.95	0.12	0.00	0.12	9.55	0.37	0.00	0.37
7.00	0.12	0.00	0.12	9.60	0.38	0.00	0.38
7.05	0.13	0.00	0.13	9.65	0.39	0.00	0.39
7.10	0.13	0.00	0.13	9.70	0.41	0.00	0.41
7.15	0.13	0.00	0.13	9.75	0.42	0.00	0.42
7.20	0.14	0.00	0.14	9.80	0.43	0.00	0.43
7.25	0.14	0.00	0.14	9.85	0.44	0.00	0.44
7.30	0.14	0.00	0.14	9.90	0.45	0.00	0.45
7.35	0.15	0.00	0.15	9.95	0.46	0.00	0.46
7.40	0.15	0.00	0.15	10.00	0.48	0.00	0.48
7.45	0.15	0.00	0.15	10.05	0.49	0.00	0.49
7.50	0.16	0.00	0.16	10.10	0.50	0.00	0.50
7.55	0.16	0.00	0.16	10.15	0.51	0.00	0.51
7.60	0.16	0.00	0.16	10.20	0.53	0.00	0.53
7.65	0.17	0.00	0.17	10.25	0.54	0.00	0.54
7.70	0.17	0.00	0.17	10.30	0.55	0.00	0.55
7.75	0.17	0.00	0.17	10.35	0.57	0.00	0.57

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.58	0.00	0.58	13.00	17.28	0.00	17.28
10.45	0.59	0.00	0.59	13.05	16.44	0.00	16.44
10.50	0.61	0.00	0.61	13.10	15.58	0.00	15.58
10.55	0.62	0.00	0.62	13.15	14.76	0.00	14.76
10.60	0.65	0.00	0.65	13.20	14.10	0.00	14.10
10.65	0.68	0.00	0.68	13.25	13.55	0.00	13.55
10.70	0.72	0.00	0.72	13.30	13.05	0.00	13.05
10.75	0.76	0.00	0.76	13.35	12.57	0.00	12.57
10.80	0.81	0.00	0.81	13.40	12.09	0.00	12.09
10.85	0.85	0.00	0.85	13.45	11.61	0.00	11.61
10.90	0.89	0.00	0.89	13.50	11.12	0.00	11.12
10.95	0.94	0.00	0.94	13.55	10.64	0.00	10.64
11.00	0.99	0.00	0.99	13.60	10.15	0.00	10.15
11.05	1.03	0.00	1.03	13.65	9.70	0.00	9.70
11.10	1.10	0.00	1.10	13.70	9.39	0.00	9.39
11.15	1.17	0.00	1.17	13.75	9.19	0.00	9.19
11.20	1.26	0.00	1.26	13.80	9.03	0.00	9.03
11.25	1.34	0.00	1.34	13.85	8.90	0.00	8.90
11.30	1.46	0.00	1.46	13.90	8.78	0.00	8.78
11.35	1.63	0.00	1.63	13.95	8.67	0.00	8.67
11.40	1.88	0.00	1.88	14.00	8.54	0.00	8.54
11.45	2.24	0.00	2.24	14.05	8.42	0.00	8.42
11.50	2.68	0.00	2.68	14.10	8.29	0.00	8.29
11.55	3.26	0.00	3.26	14.15	8.17	0.00	8.17
11.60	4.37	0.00	4.37	14.20	8.05	0.00	8.05
11.65	5.84	0.00	5.84	14.25	7.93	0.00	7.93
11.70	7.24	0.00	7.24	14.30	7.80	0.00	7.80
11.75	8.74	0.00	8.74	14.35	7.67	0.00	7.67
11.80	11.07	0.00	11.07	14.40	7.54	0.00	7.54
11.85	14.26	0.00	14.26	14.45	7.41	0.00	7.41
11.90	18.82	0.00	18.82	14.50	7.29	0.00	7.29
11.95	25.28	0.00	25.28	14.55	7.16	0.00	7.16
12.00	36.72	0.00	36.72	14.60	7.03	0.00	7.03
12.05	53.66	0.00	53.66	14.65	6.89	0.00	6.89
12.10	80.51	0.00	80.51	14.70	6.76	0.00	6.76
12.15	107.55	0.00	107.55	14.75	6.63	0.00	6.63
12.20	104.77	0.00	104.77	14.80	6.50	0.00	6.50
12.25	82.63	0.00	82.63	14.85	6.37	0.00	6.37
12.30	64.94	0.00	64.94	14.90	6.23	0.00	6.23
12.35	53.64	0.00	53.64	14.95	6.09	0.00	6.09
12.40	45.37	0.00	45.37	15.00	5.95	0.00	5.95
12.45	39.27	0.00	39.27	15.05	5.81	0.00	5.81
12.50	35.85	0.00	35.85	15.10	5.68	0.00	5.68
12.55	33.65	0.00	33.65	15.15	5.56	0.00	5.56
12.60	29.95	0.00	29.95	15.20	5.47	0.00	5.47
12.65	25.78	0.00	25.78	15.25	5.41	0.00	5.41
12.70	23.16	0.00	23.16	15.30	5.37	0.00	5.37
12.75	21.73	0.00	21.73	15.35	5.33	0.00	5.33
12.80	20.67	0.00	20.67	15.40	5.30	0.00	5.30
12.85	19.79	0.00	19.79	15.45	5.27	0.00	5.27
12.90	18.94	0.00	18.94	15.50	5.24	0.00	5.24
12.95	18.12	0.00	18.12	15.55	5.20	0.00	5.20

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.17	0.00	5.17	18.20	3.30	0.00	3.30
15.65	5.14	0.00	5.14	18.25	3.29	0.00	3.29
15.70	5.11	0.00	5.11	18.30	3.28	0.00	3.28
15.75	5.07	0.00	5.07	18.35	3.27	0.00	3.27
15.80	5.03	0.00	5.03	18.40	3.26	0.00	3.26
15.85	5.00	0.00	5.00	18.45	3.25	0.00	3.25
15.90	4.96	0.00	4.96	18.50	3.24	0.00	3.24
15.95	4.94	0.00	4.94	18.55	3.23	0.00	3.23
16.00	4.90	0.00	4.90	18.60	3.23	0.00	3.23
16.05	4.86	0.00	4.86	18.65	3.22	0.00	3.22
16.10	4.83	0.00	4.83	18.70	3.21	0.00	3.21
16.15	4.80	0.00	4.80	18.75	3.20	0.00	3.20
16.20	4.77	0.00	4.77	18.80	3.19	0.00	3.19
16.25	4.73	0.00	4.73	18.85	3.18	0.00	3.18
16.30	4.69	0.00	4.69	18.90	3.18	0.00	3.18
16.35	4.65	0.00	4.65	18.95	3.17	0.00	3.17
16.40	4.62	0.00	4.62	19.00	3.16	0.00	3.16
16.45	4.59	0.00	4.59	19.05	3.15	0.00	3.15
16.50	4.55	0.00	4.55	19.10	3.14	0.00	3.14
16.55	4.51	0.00	4.51	19.15	3.13	0.00	3.13
16.60	4.48	0.00	4.48	19.20	3.12	0.00	3.12
16.65	4.45	0.00	4.45	19.25	3.12	0.00	3.12
16.70	4.41	0.00	4.41	19.30	3.11	0.00	3.11
16.75	4.38	0.00	4.38	19.35	3.10	0.00	3.10
16.80	4.34	0.00	4.34	19.40	3.09	0.00	3.09
16.85	4.29	0.00	4.29	19.45	3.08	0.00	3.08
16.90	4.26	0.00	4.26	19.50	3.07	0.00	3.07
16.95	4.23	0.00	4.23	19.55	3.06	0.00	3.06
17.00	4.19	0.00	4.19	19.60	3.05	0.00	3.05
17.05	4.16	0.00	4.16	19.65	3.05	0.00	3.05
17.10	4.12	0.00	4.12	19.70	3.04	0.00	3.04
17.15	4.09	0.00	4.09	19.75	3.03	0.00	3.03
17.20	4.05	0.00	4.05	19.80	3.03	0.00	3.03
17.25	4.01	0.00	4.01	19.85	3.02	0.00	3.02
17.30	3.97	0.00	3.97	19.90	3.01	0.00	3.01
17.35	3.92	0.00	3.92	19.95	3.00	0.00	3.00
17.40	3.89	0.00	3.89	20.00	2.99	0.00	2.99
17.45	3.86	0.00	3.86	20.05	2.98	0.00	2.98
17.50	3.82	0.00	3.82	20.10	2.97	0.00	2.97
17.55	3.78	0.00	3.78	20.15	2.96	0.00	2.96
17.60	3.75	0.00	3.75	20.20	2.95	0.00	2.95
17.65	3.71	0.00	3.71	20.25	2.94	0.00	2.94
17.70	3.67	0.00	3.67	20.30	2.93	0.00	2.93
17.75	3.63	0.00	3.63	20.35	2.92	0.00	2.92
17.80	3.59	0.00	3.59	20.40	2.91	0.00	2.91
17.85	3.56	0.00	3.56	20.45	2.90	0.00	2.90
17.90	3.52	0.00	3.52	20.50	2.89	0.00	2.89
17.95	3.48	0.00	3.48	20.55	2.88	0.00	2.88
18.00	3.44	0.00	3.44	20.60	2.88	0.00	2.88
18.05	3.40	0.00	3.40	20.65	2.88	0.00	2.88
18.10	3.36	0.00	3.36	20.70	2.87	0.00	2.87
18.15	3.33	0.00	3.33	20.75	2.85	0.00	2.85

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.84	0.00	2.84	23.40	2.35	0.00	2.35
20.85	2.83	0.00	2.83	23.45	2.34	0.00	2.34
20.90	2.82	0.00	2.82	23.50	2.33	0.00	2.33
20.95	2.81	0.00	2.81	23.55	2.32	0.00	2.32
21.00	2.80	0.00	2.80	23.60	2.30	0.00	2.30
21.05	2.79	0.00	2.79	23.65	2.29	0.00	2.29
21.10	2.78	0.00	2.78	23.70	2.29	0.00	2.29
21.15	2.77	0.00	2.77	23.75	2.28	0.00	2.28
21.20	2.76	0.00	2.76	23.80	2.27	0.00	2.27
21.25	2.76	0.00	2.76	23.85	2.26	0.00	2.26
21.30	2.75	0.00	2.75	23.90	2.24	0.00	2.24
21.35	2.75	0.00	2.75	23.95	2.26	0.00	2.26
21.40	2.74	0.00	2.74	24.00	2.39	0.00	2.39
21.45	2.72	0.00	2.72	24.05	2.43	0.00	2.43
21.50	2.71	0.00	2.71	24.10	1.82	0.00	1.82
21.55	2.70	0.00	2.70	24.15	0.93	0.00	0.93
21.60	2.69	0.00	2.69	24.20	0.41	0.00	0.41
21.65	2.68	0.00	2.68	24.25	0.18	0.00	0.18
21.70	2.67	0.00	2.67	24.30	0.08	0.00	0.08
21.75	2.66	0.00	2.66	24.35	0.03	0.00	0.03
21.80	2.66	0.00	2.66	24.40	0.01	0.00	0.01
21.85	2.65	0.00	2.65	24.45	0.00	0.00	0.00
21.90	2.64	0.00	2.64	24.50	0.00	0.00	0.00
21.95	2.63	0.00	2.63	24.55	0.00	0.00	0.00
22.00	2.62	0.00	2.62	24.60	0.00	0.00	0.00
22.05	2.60	0.00	2.60	24.65	0.00	0.00	0.00
22.10	2.59	0.00	2.59	24.70	0.00	0.00	0.00
22.15	2.59	0.00	2.59	24.75	0.00	0.00	0.00
22.20	2.58	0.00	2.58	24.80	0.00	0.00	0.00
22.25	2.58	0.00	2.58	24.85	0.00	0.00	0.00
22.30	2.57	0.00	2.57	24.90	0.00	0.00	0.00
22.35	2.55	0.00	2.55	24.95	0.00	0.00	0.00
22.40	2.54	0.00	2.54	25.00	0.00	0.00	0.00
22.45	2.53	0.00	2.53	25.05	0.00	0.00	0.00
22.50	2.52	0.00	2.52	25.10	0.00	0.00	0.00
22.55	2.51	0.00	2.51	25.15	0.00	0.00	0.00
22.60	2.50	0.00	2.50	25.20	0.00	0.00	0.00
22.65	2.50	0.00	2.50	25.25	0.00	0.00	0.00
22.70	2.49	0.00	2.49	25.30	0.00	0.00	0.00
22.75	2.47	0.00	2.47	25.35	0.00	0.00	0.00
22.80	2.46	0.00	2.46	25.40	0.00	0.00	0.00
22.85	2.45	0.00	2.45	25.45	0.00	0.00	0.00
22.90	2.44	0.00	2.44	25.50	0.00	0.00	0.00
22.95	2.43	0.00	2.43	25.55	0.00	0.00	0.00
23.00	2.43	0.00	2.43	25.60	0.00	0.00	0.00
23.05	2.42	0.00	2.42	25.65	0.00	0.00	0.00
23.10	2.41	0.00	2.41	25.70	0.00	0.00	0.00
23.15	2.40	0.00	2.40	25.75	0.00	0.00	0.00
23.20	2.38	0.00	2.38	25.80	0.00	0.00	0.00
23.25	2.37	0.00	2.37	25.85	0.00	0.00	0.00
23.30	2.36	0.00	2.36	25.90	0.00	0.00	0.00
23.35	2.35	0.00	2.35	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

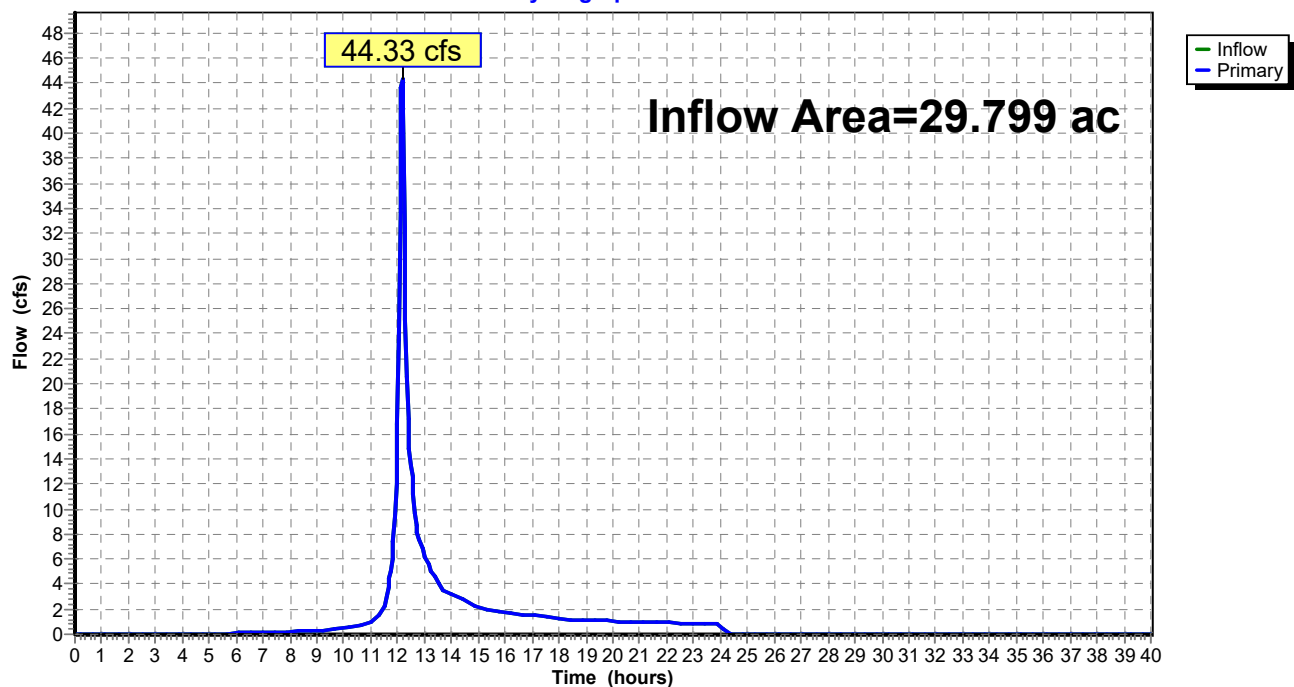
Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.37" for Future 2 yr event
Inflow = 44.33 cfs @ 12.17 hrs, Volume= 3.401 af
Primary = 44.33 cfs @ 12.17 hrs, Volume= 3.401 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10

Hydrograph



Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.01	0.00	0.01
1.50	0.00	0.00	0.00	4.10	0.01	0.00	0.01
1.55	0.00	0.00	0.00	4.15	0.01	0.00	0.01
1.60	0.00	0.00	0.00	4.20	0.01	0.00	0.01
1.65	0.00	0.00	0.00	4.25	0.01	0.00	0.01
1.70	0.00	0.00	0.00	4.30	0.01	0.00	0.01
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.00	0.00	0.00	4.65	0.03	0.00	0.03
2.10	0.00	0.00	0.00	4.70	0.03	0.00	0.03
2.15	0.00	0.00	0.00	4.75	0.03	0.00	0.03
2.20	0.00	0.00	0.00	4.80	0.03	0.00	0.03
2.25	0.00	0.00	0.00	4.85	0.03	0.00	0.03
2.30	0.00	0.00	0.00	4.90	0.03	0.00	0.03
2.35	0.00	0.00	0.00	4.95	0.04	0.00	0.04
2.40	0.00	0.00	0.00	5.00	0.04	0.00	0.04
2.45	0.00	0.00	0.00	5.05	0.04	0.00	0.04
2.50	0.00	0.00	0.00	5.10	0.04	0.00	0.04
2.55	0.00	0.00	0.00	5.15	0.04	0.00	0.04

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.04	0.00	0.04	7.80	0.18	0.00	0.18
5.25	0.05	0.00	0.05	7.85	0.18	0.00	0.18
5.30	0.05	0.00	0.05	7.90	0.18	0.00	0.18
5.35	0.05	0.00	0.05	7.95	0.19	0.00	0.19
5.40	0.05	0.00	0.05	8.00	0.19	0.00	0.19
5.45	0.05	0.00	0.05	8.05	0.19	0.00	0.19
5.50	0.05	0.00	0.05	8.10	0.20	0.00	0.20
5.55	0.06	0.00	0.06	8.15	0.20	0.00	0.20
5.60	0.06	0.00	0.06	8.20	0.21	0.00	0.21
5.65	0.06	0.00	0.06	8.25	0.21	0.00	0.21
5.70	0.06	0.00	0.06	8.30	0.21	0.00	0.21
5.75	0.06	0.00	0.06	8.35	0.22	0.00	0.22
5.80	0.06	0.00	0.06	8.40	0.22	0.00	0.22
5.85	0.07	0.00	0.07	8.45	0.22	0.00	0.22
5.90	0.07	0.00	0.07	8.50	0.23	0.00	0.23
5.95	0.07	0.00	0.07	8.55	0.23	0.00	0.23
6.00	0.07	0.00	0.07	8.60	0.24	0.00	0.24
6.05	0.07	0.00	0.07	8.65	0.24	0.00	0.24
6.10	0.07	0.00	0.07	8.70	0.24	0.00	0.24
6.15	0.08	0.00	0.08	8.75	0.25	0.00	0.25
6.20	0.08	0.00	0.08	8.80	0.25	0.00	0.25
6.25	0.08	0.00	0.08	8.85	0.26	0.00	0.26
6.30	0.08	0.00	0.08	8.90	0.26	0.00	0.26
6.35	0.09	0.00	0.09	8.95	0.26	0.00	0.26
6.40	0.09	0.00	0.09	9.00	0.27	0.00	0.27
6.45	0.09	0.00	0.09	9.05	0.27	0.00	0.27
6.50	0.09	0.00	0.09	9.10	0.28	0.00	0.28
6.55	0.10	0.00	0.10	9.15	0.29	0.00	0.29
6.60	0.10	0.00	0.10	9.20	0.30	0.00	0.30
6.65	0.10	0.00	0.10	9.25	0.31	0.00	0.31
6.70	0.11	0.00	0.11	9.30	0.32	0.00	0.32
6.75	0.11	0.00	0.11	9.35	0.33	0.00	0.33
6.80	0.11	0.00	0.11	9.40	0.34	0.00	0.34
6.85	0.11	0.00	0.11	9.45	0.35	0.00	0.35
6.90	0.12	0.00	0.12	9.50	0.36	0.00	0.36
6.95	0.12	0.00	0.12	9.55	0.37	0.00	0.37
7.00	0.12	0.00	0.12	9.60	0.38	0.00	0.38
7.05	0.13	0.00	0.13	9.65	0.39	0.00	0.39
7.10	0.13	0.00	0.13	9.70	0.41	0.00	0.41
7.15	0.13	0.00	0.13	9.75	0.42	0.00	0.42
7.20	0.14	0.00	0.14	9.80	0.43	0.00	0.43
7.25	0.14	0.00	0.14	9.85	0.44	0.00	0.44
7.30	0.14	0.00	0.14	9.90	0.45	0.00	0.45
7.35	0.15	0.00	0.15	9.95	0.46	0.00	0.46
7.40	0.15	0.00	0.15	10.00	0.48	0.00	0.48
7.45	0.15	0.00	0.15	10.05	0.49	0.00	0.49
7.50	0.16	0.00	0.16	10.10	0.50	0.00	0.50
7.55	0.16	0.00	0.16	10.15	0.51	0.00	0.51
7.60	0.16	0.00	0.16	10.20	0.53	0.00	0.53
7.65	0.17	0.00	0.17	10.25	0.54	0.00	0.54
7.70	0.17	0.00	0.17	10.30	0.55	0.00	0.55
7.75	0.17	0.00	0.17	10.35	0.57	0.00	0.57

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.58	0.00	0.58	13.00	6.37	0.00	6.37
10.45	0.59	0.00	0.59	13.05	6.05	0.00	6.05
10.50	0.61	0.00	0.61	13.10	5.73	0.00	5.73
10.55	0.62	0.00	0.62	13.15	5.42	0.00	5.42
10.60	0.65	0.00	0.65	13.20	5.17	0.00	5.17
10.65	0.68	0.00	0.68	13.25	4.97	0.00	4.97
10.70	0.72	0.00	0.72	13.30	4.78	0.00	4.78
10.75	0.76	0.00	0.76	13.35	4.60	0.00	4.60
10.80	0.81	0.00	0.81	13.40	4.42	0.00	4.42
10.85	0.85	0.00	0.85	13.45	4.25	0.00	4.25
10.90	0.89	0.00	0.89	13.50	4.06	0.00	4.06
10.95	0.94	0.00	0.94	13.55	3.89	0.00	3.89
11.00	0.99	0.00	0.99	13.60	3.70	0.00	3.70
11.05	1.03	0.00	1.03	13.65	3.54	0.00	3.54
11.10	1.10	0.00	1.10	13.70	3.42	0.00	3.42
11.15	1.17	0.00	1.17	13.75	3.35	0.00	3.35
11.20	1.26	0.00	1.26	13.80	3.29	0.00	3.29
11.25	1.34	0.00	1.34	13.85	3.24	0.00	3.24
11.30	1.46	0.00	1.46	13.90	3.20	0.00	3.20
11.35	1.61	0.00	1.61	13.95	3.15	0.00	3.15
11.40	1.79	0.00	1.79	14.00	3.11	0.00	3.11
11.45	1.98	0.00	1.98	14.05	3.06	0.00	3.06
11.50	2.18	0.00	2.18	14.10	3.01	0.00	3.01
11.55	2.45	0.00	2.45	14.15	2.97	0.00	2.97
11.60	3.03	0.00	3.03	14.20	2.92	0.00	2.92
11.65	3.78	0.00	3.78	14.25	2.88	0.00	2.88
11.70	4.41	0.00	4.41	14.30	2.83	0.00	2.83
11.75	5.04	0.00	5.04	14.35	2.78	0.00	2.78
11.80	6.05	0.00	6.05	14.40	2.73	0.00	2.73
11.85	7.43	0.00	7.43	14.45	2.69	0.00	2.69
11.90	9.36	0.00	9.36	14.50	2.64	0.00	2.64
11.95	12.03	0.00	12.03	14.55	2.59	0.00	2.59
12.00	16.72	0.00	16.72	14.60	2.54	0.00	2.54
12.05	23.43	0.00	23.43	14.65	2.49	0.00	2.49
12.10	33.74	0.00	33.74	14.70	2.44	0.00	2.44
12.15	43.67	0.00	43.67	14.75	2.40	0.00	2.40
12.20	41.70	0.00	41.70	14.80	2.35	0.00	2.35
12.25	32.41	0.00	32.41	14.85	2.30	0.00	2.30
12.30	25.16	0.00	25.16	14.90	2.25	0.00	2.25
12.35	20.57	0.00	20.57	14.95	2.20	0.00	2.20
12.40	17.27	0.00	17.27	15.00	2.15	0.00	2.15
12.45	14.85	0.00	14.85	15.05	2.10	0.00	2.10
12.50	13.49	0.00	13.49	15.10	2.05	0.00	2.05
12.55	12.61	0.00	12.61	15.15	2.01	0.00	2.01
12.60	11.19	0.00	11.19	15.20	1.97	0.00	1.97
12.65	9.61	0.00	9.61	15.25	1.95	0.00	1.95
12.70	8.62	0.00	8.62	15.30	1.94	0.00	1.94
12.75	8.07	0.00	8.07	15.35	1.92	0.00	1.92
12.80	7.66	0.00	7.66	15.40	1.91	0.00	1.91
12.85	7.32	0.00	7.32	15.45	1.90	0.00	1.90
12.90	7.00	0.00	7.00	15.50	1.89	0.00	1.89
12.95	6.69	0.00	6.69	15.55	1.87	0.00	1.87

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.86	0.00	1.86	18.20	1.18	0.00	1.18
15.65	1.85	0.00	1.85	18.25	1.17	0.00	1.17
15.70	1.84	0.00	1.84	18.30	1.17	0.00	1.17
15.75	1.82	0.00	1.82	18.35	1.17	0.00	1.17
15.80	1.81	0.00	1.81	18.40	1.16	0.00	1.16
15.85	1.80	0.00	1.80	18.45	1.16	0.00	1.16
15.90	1.79	0.00	1.79	18.50	1.16	0.00	1.16
15.95	1.77	0.00	1.77	18.55	1.15	0.00	1.15
16.00	1.76	0.00	1.76	18.60	1.15	0.00	1.15
16.05	1.75	0.00	1.75	18.65	1.15	0.00	1.15
16.10	1.73	0.00	1.73	18.70	1.14	0.00	1.14
16.15	1.72	0.00	1.72	18.75	1.14	0.00	1.14
16.20	1.71	0.00	1.71	18.80	1.14	0.00	1.14
16.25	1.70	0.00	1.70	18.85	1.14	0.00	1.14
16.30	1.68	0.00	1.68	18.90	1.13	0.00	1.13
16.35	1.67	0.00	1.67	18.95	1.13	0.00	1.13
16.40	1.66	0.00	1.66	19.00	1.13	0.00	1.13
16.45	1.65	0.00	1.65	19.05	1.12	0.00	1.12
16.50	1.63	0.00	1.63	19.10	1.12	0.00	1.12
16.55	1.62	0.00	1.62	19.15	1.12	0.00	1.12
16.60	1.61	0.00	1.61	19.20	1.11	0.00	1.11
16.65	1.59	0.00	1.59	19.25	1.11	0.00	1.11
16.70	1.58	0.00	1.58	19.30	1.11	0.00	1.11
16.75	1.57	0.00	1.57	19.35	1.10	0.00	1.10
16.80	1.55	0.00	1.55	19.40	1.10	0.00	1.10
16.85	1.54	0.00	1.54	19.45	1.10	0.00	1.10
16.90	1.53	0.00	1.53	19.50	1.09	0.00	1.09
16.95	1.51	0.00	1.51	19.55	1.09	0.00	1.09
17.00	1.50	0.00	1.50	19.60	1.09	0.00	1.09
17.05	1.49	0.00	1.49	19.65	1.08	0.00	1.08
17.10	1.48	0.00	1.48	19.70	1.08	0.00	1.08
17.15	1.46	0.00	1.46	19.75	1.08	0.00	1.08
17.20	1.45	0.00	1.45	19.80	1.08	0.00	1.08
17.25	1.44	0.00	1.44	19.85	1.08	0.00	1.08
17.30	1.42	0.00	1.42	19.90	1.07	0.00	1.07
17.35	1.40	0.00	1.40	19.95	1.07	0.00	1.07
17.40	1.39	0.00	1.39	20.00	1.06	0.00	1.06
17.45	1.38	0.00	1.38	20.05	1.06	0.00	1.06
17.50	1.37	0.00	1.37	20.10	1.05	0.00	1.05
17.55	1.35	0.00	1.35	20.15	1.05	0.00	1.05
17.60	1.34	0.00	1.34	20.20	1.05	0.00	1.05
17.65	1.33	0.00	1.33	20.25	1.04	0.00	1.04
17.70	1.31	0.00	1.31	20.30	1.04	0.00	1.04
17.75	1.30	0.00	1.30	20.35	1.04	0.00	1.04
17.80	1.28	0.00	1.28	20.40	1.03	0.00	1.03
17.85	1.27	0.00	1.27	20.45	1.03	0.00	1.03
17.90	1.26	0.00	1.26	20.50	1.03	0.00	1.03
17.95	1.24	0.00	1.24	20.55	1.03	0.00	1.03
18.00	1.23	0.00	1.23	20.60	1.02	0.00	1.02
18.05	1.22	0.00	1.22	20.65	1.02	0.00	1.02
18.10	1.20	0.00	1.20	20.70	1.02	0.00	1.02
18.15	1.19	0.00	1.19	20.75	1.01	0.00	1.01

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.01	0.00	1.01	23.40	0.83	0.00	0.83
20.85	1.01	0.00	1.01	23.45	0.83	0.00	0.83
20.90	1.00	0.00	1.00	23.50	0.82	0.00	0.82
20.95	1.00	0.00	1.00	23.55	0.82	0.00	0.82
21.00	0.99	0.00	0.99	23.60	0.81	0.00	0.81
21.05	0.99	0.00	0.99	23.65	0.81	0.00	0.81
21.10	0.99	0.00	0.99	23.70	0.81	0.00	0.81
21.15	0.98	0.00	0.98	23.75	0.81	0.00	0.81
21.20	0.98	0.00	0.98	23.80	0.80	0.00	0.80
21.25	0.98	0.00	0.98	23.85	0.80	0.00	0.80
21.30	0.98	0.00	0.98	23.90	0.79	0.00	0.79
21.35	0.98	0.00	0.98	23.95	0.80	0.00	0.80
21.40	0.97	0.00	0.97	24.00	0.85	0.00	0.85
21.45	0.97	0.00	0.97	24.05	0.86	0.00	0.86
21.50	0.96	0.00	0.96	24.10	0.64	0.00	0.64
21.55	0.96	0.00	0.96	24.15	0.33	0.00	0.33
21.60	0.95	0.00	0.95	24.20	0.14	0.00	0.14
21.65	0.95	0.00	0.95	24.25	0.06	0.00	0.06
21.70	0.95	0.00	0.95	24.30	0.03	0.00	0.03
21.75	0.94	0.00	0.94	24.35	0.01	0.00	0.01
21.80	0.94	0.00	0.94	24.40	0.00	0.00	0.00
21.85	0.94	0.00	0.94	24.45	0.00	0.00	0.00
21.90	0.94	0.00	0.94	24.50	0.00	0.00	0.00
21.95	0.93	0.00	0.93	24.55	0.00	0.00	0.00
22.00	0.93	0.00	0.93	24.60	0.00	0.00	0.00
22.05	0.92	0.00	0.92	24.65	0.00	0.00	0.00
22.10	0.92	0.00	0.92	24.70	0.00	0.00	0.00
22.15	0.92	0.00	0.92	24.75	0.00	0.00	0.00
22.20	0.91	0.00	0.91	24.80	0.00	0.00	0.00
22.25	0.91	0.00	0.91	24.85	0.00	0.00	0.00
22.30	0.91	0.00	0.91	24.90	0.00	0.00	0.00
22.35	0.90	0.00	0.90	24.95	0.00	0.00	0.00
22.40	0.90	0.00	0.90	25.00	0.00	0.00	0.00
22.45	0.90	0.00	0.90	25.05	0.00	0.00	0.00
22.50	0.89	0.00	0.89	25.10	0.00	0.00	0.00
22.55	0.89	0.00	0.89	25.15	0.00	0.00	0.00
22.60	0.89	0.00	0.89	25.20	0.00	0.00	0.00
22.65	0.89	0.00	0.89	25.25	0.00	0.00	0.00
22.70	0.88	0.00	0.88	25.30	0.00	0.00	0.00
22.75	0.88	0.00	0.88	25.35	0.00	0.00	0.00
22.80	0.87	0.00	0.87	25.40	0.00	0.00	0.00
22.85	0.87	0.00	0.87	25.45	0.00	0.00	0.00
22.90	0.86	0.00	0.86	25.50	0.00	0.00	0.00
22.95	0.86	0.00	0.86	25.55	0.00	0.00	0.00
23.00	0.86	0.00	0.86	25.60	0.00	0.00	0.00
23.05	0.86	0.00	0.86	25.65	0.00	0.00	0.00
23.10	0.85	0.00	0.85	25.70	0.00	0.00	0.00
23.15	0.85	0.00	0.85	25.75	0.00	0.00	0.00
23.20	0.84	0.00	0.84	25.80	0.00	0.00	0.00
23.25	0.84	0.00	0.84	25.85	0.00	0.00	0.00
23.30	0.84	0.00	0.84	25.90	0.00	0.00	0.00
23.35	0.83	0.00	0.83	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

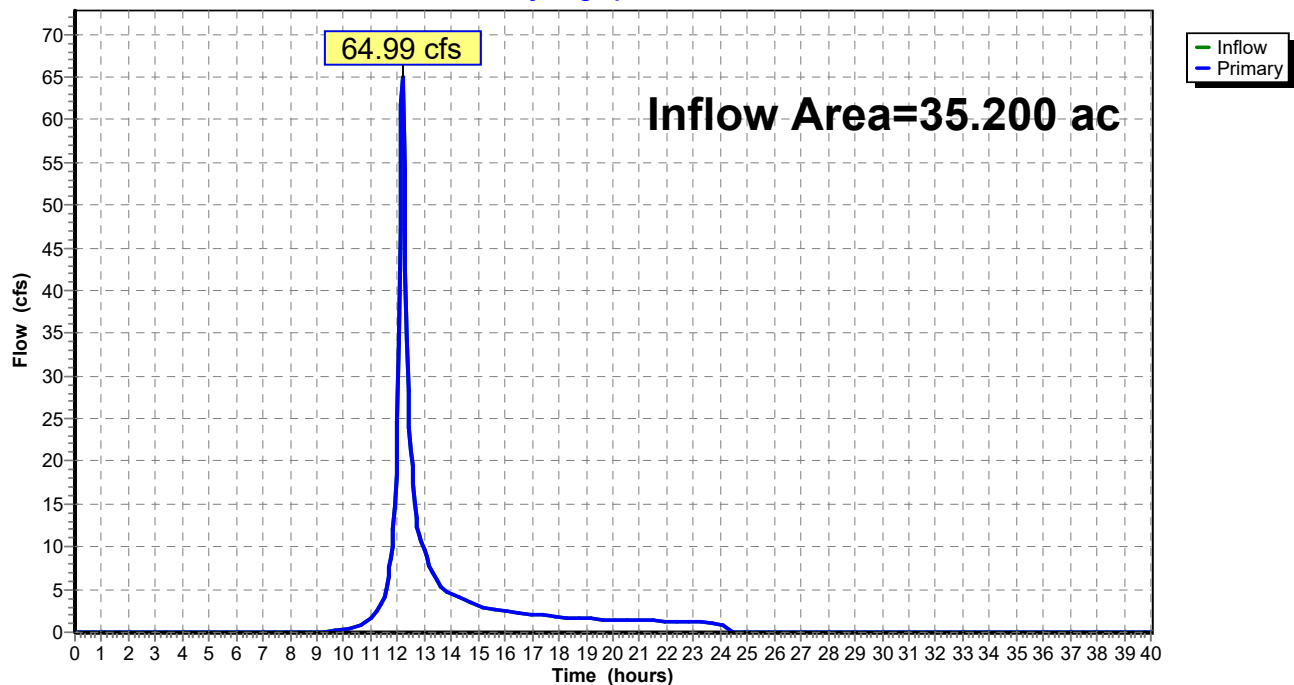
Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 1.70" for Future 2 yr event
Inflow = 64.99 cfs @ 12.19 hrs, Volume= 4.974 af
Primary = 64.99 cfs @ 12.19 hrs, Volume= 4.974 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.01	0.00	0.01
6.90	0.00	0.00	0.00	9.50	0.03	0.00	0.03
6.95	0.00	0.00	0.00	9.55	0.04	0.00	0.04
7.00	0.00	0.00	0.00	9.60	0.06	0.00	0.06
7.05	0.00	0.00	0.00	9.65	0.09	0.00	0.09
7.10	0.00	0.00	0.00	9.70	0.11	0.00	0.11
7.15	0.00	0.00	0.00	9.75	0.14	0.00	0.14
7.20	0.00	0.00	0.00	9.80	0.16	0.00	0.16
7.25	0.00	0.00	0.00	9.85	0.19	0.00	0.19
7.30	0.00	0.00	0.00	9.90	0.22	0.00	0.22
7.35	0.00	0.00	0.00	9.95	0.25	0.00	0.25
7.40	0.00	0.00	0.00	10.00	0.29	0.00	0.29
7.45	0.00	0.00	0.00	10.05	0.32	0.00	0.32
7.50	0.00	0.00	0.00	10.10	0.36	0.00	0.36
7.55	0.00	0.00	0.00	10.15	0.39	0.00	0.39
7.60	0.00	0.00	0.00	10.20	0.43	0.00	0.43
7.65	0.00	0.00	0.00	10.25	0.47	0.00	0.47
7.70	0.00	0.00	0.00	10.30	0.51	0.00	0.51
7.75	0.00	0.00	0.00	10.35	0.55	0.00	0.55

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.59	0.00	0.59	13.00	9.43	0.00	9.43
10.45	0.64	0.00	0.64	13.05	8.96	0.00	8.96
10.50	0.68	0.00	0.68	13.10	8.48	0.00	8.48
10.55	0.73	0.00	0.73	13.15	8.03	0.00	8.03
10.60	0.79	0.00	0.79	13.20	7.63	0.00	7.63
10.65	0.87	0.00	0.87	13.25	7.31	0.00	7.31
10.70	0.96	0.00	0.96	13.30	7.01	0.00	7.01
10.75	1.05	0.00	1.05	13.35	6.74	0.00	6.74
10.80	1.15	0.00	1.15	13.40	6.47	0.00	6.47
10.85	1.26	0.00	1.26	13.45	6.21	0.00	6.21
10.90	1.38	0.00	1.38	13.50	5.95	0.00	5.95
10.95	1.51	0.00	1.51	13.55	5.69	0.00	5.69
11.00	1.64	0.00	1.64	13.60	5.42	0.00	5.42
11.05	1.78	0.00	1.78	13.65	5.17	0.00	5.17
11.10	1.95	0.00	1.95	13.70	4.98	0.00	4.98
11.15	2.16	0.00	2.16	13.75	4.85	0.00	4.85
11.20	2.38	0.00	2.38	13.80	4.75	0.00	4.75
11.25	2.63	0.00	2.63	13.85	4.67	0.00	4.67
11.30	2.90	0.00	2.90	13.90	4.59	0.00	4.59
11.35	3.18	0.00	3.18	13.95	4.53	0.00	4.53
11.40	3.49	0.00	3.49	14.00	4.46	0.00	4.46
11.45	3.81	0.00	3.81	14.05	4.39	0.00	4.39
11.50	4.14	0.00	4.14	14.10	4.32	0.00	4.32
11.55	4.54	0.00	4.54	14.15	4.25	0.00	4.25
11.60	5.35	0.00	5.35	14.20	4.19	0.00	4.19
11.65	6.52	0.00	6.52	14.25	4.12	0.00	4.12
11.70	7.63	0.00	7.63	14.30	4.05	0.00	4.05
11.75	8.63	0.00	8.63	14.35	3.99	0.00	3.99
11.80	10.04	0.00	10.04	14.40	3.91	0.00	3.91
11.85	12.04	0.00	12.04	14.45	3.85	0.00	3.85
11.90	14.78	0.00	14.78	14.50	3.78	0.00	3.78
11.95	18.49	0.00	18.49	14.55	3.71	0.00	3.71
12.00	24.62	0.00	24.62	14.60	3.64	0.00	3.64
12.05	33.74	0.00	33.74	14.65	3.57	0.00	3.57
12.10	47.19	0.00	47.19	14.70	3.50	0.00	3.50
12.15	61.72	0.00	61.72	14.75	3.43	0.00	3.43
12.20	64.44	0.00	64.44	14.80	3.36	0.00	3.36
12.25	54.17	0.00	54.17	14.85	3.29	0.00	3.29
12.30	42.43	0.00	42.43	14.90	3.22	0.00	3.22
12.35	34.23	0.00	34.23	14.95	3.15	0.00	3.15
12.40	28.35	0.00	28.35	15.00	3.07	0.00	3.07
12.45	24.02	0.00	24.02	15.05	3.00	0.00	3.00
12.50	21.20	0.00	21.20	15.10	2.93	0.00	2.93
12.55	19.45	0.00	19.45	15.15	2.86	0.00	2.86
12.60	17.48	0.00	17.48	15.20	2.81	0.00	2.81
12.65	15.13	0.00	15.13	15.25	2.78	0.00	2.78
12.70	13.31	0.00	13.31	15.30	2.75	0.00	2.75
12.75	12.23	0.00	12.23	15.35	2.72	0.00	2.72
12.80	11.50	0.00	11.50	15.40	2.71	0.00	2.71
12.85	10.92	0.00	10.92	15.45	2.69	0.00	2.69
12.90	10.40	0.00	10.40	15.50	2.67	0.00	2.67
12.95	9.91	0.00	9.91	15.55	2.65	0.00	2.65

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.63	0.00	2.63	18.20	1.65	0.00	1.65
15.65	2.62	0.00	2.62	18.25	1.64	0.00	1.64
15.70	2.60	0.00	2.60	18.30	1.64	0.00	1.64
15.75	2.58	0.00	2.58	18.35	1.63	0.00	1.63
15.80	2.56	0.00	2.56	18.40	1.63	0.00	1.63
15.85	2.54	0.00	2.54	18.45	1.62	0.00	1.62
15.90	2.52	0.00	2.52	18.50	1.62	0.00	1.62
15.95	2.51	0.00	2.51	18.55	1.61	0.00	1.61
16.00	2.49	0.00	2.49	18.60	1.61	0.00	1.61
16.05	2.47	0.00	2.47	18.65	1.60	0.00	1.60
16.10	2.45	0.00	2.45	18.70	1.60	0.00	1.60
16.15	2.43	0.00	2.43	18.75	1.59	0.00	1.59
16.20	2.42	0.00	2.42	18.80	1.59	0.00	1.59
16.25	2.40	0.00	2.40	18.85	1.58	0.00	1.58
16.30	2.38	0.00	2.38	18.90	1.58	0.00	1.58
16.35	2.36	0.00	2.36	18.95	1.58	0.00	1.58
16.40	2.34	0.00	2.34	19.00	1.57	0.00	1.57
16.45	2.32	0.00	2.32	19.05	1.57	0.00	1.57
16.50	2.30	0.00	2.30	19.10	1.56	0.00	1.56
16.55	2.28	0.00	2.28	19.15	1.56	0.00	1.56
16.60	2.26	0.00	2.26	19.20	1.55	0.00	1.55
16.65	2.25	0.00	2.25	19.25	1.55	0.00	1.55
16.70	2.23	0.00	2.23	19.30	1.54	0.00	1.54
16.75	2.21	0.00	2.21	19.35	1.54	0.00	1.54
16.80	2.19	0.00	2.19	19.40	1.53	0.00	1.53
16.85	2.17	0.00	2.17	19.45	1.53	0.00	1.53
16.90	2.15	0.00	2.15	19.50	1.52	0.00	1.52
16.95	2.13	0.00	2.13	19.55	1.52	0.00	1.52
17.00	2.11	0.00	2.11	19.60	1.52	0.00	1.52
17.05	2.10	0.00	2.10	19.65	1.51	0.00	1.51
17.10	2.08	0.00	2.08	19.70	1.51	0.00	1.51
17.15	2.06	0.00	2.06	19.75	1.50	0.00	1.50
17.20	2.04	0.00	2.04	19.80	1.50	0.00	1.50
17.25	2.02	0.00	2.02	19.85	1.50	0.00	1.50
17.30	2.00	0.00	2.00	19.90	1.49	0.00	1.49
17.35	1.98	0.00	1.98	19.95	1.49	0.00	1.49
17.40	1.96	0.00	1.96	20.00	1.48	0.00	1.48
17.45	1.94	0.00	1.94	20.05	1.47	0.00	1.47
17.50	1.92	0.00	1.92	20.10	1.47	0.00	1.47
17.55	1.90	0.00	1.90	20.15	1.46	0.00	1.46
17.60	1.88	0.00	1.88	20.20	1.46	0.00	1.46
17.65	1.86	0.00	1.86	20.25	1.45	0.00	1.45
17.70	1.84	0.00	1.84	20.30	1.45	0.00	1.45
17.75	1.82	0.00	1.82	20.35	1.44	0.00	1.44
17.80	1.81	0.00	1.81	20.40	1.44	0.00	1.44
17.85	1.79	0.00	1.79	20.45	1.43	0.00	1.43
17.90	1.77	0.00	1.77	20.50	1.43	0.00	1.43
17.95	1.75	0.00	1.75	20.55	1.43	0.00	1.43
18.00	1.73	0.00	1.73	20.60	1.42	0.00	1.42
18.05	1.71	0.00	1.71	20.65	1.42	0.00	1.42
18.10	1.69	0.00	1.69	20.70	1.42	0.00	1.42
18.15	1.67	0.00	1.67	20.75	1.41	0.00	1.41

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.40	0.00	1.40	23.40	1.15	0.00	1.15
20.85	1.40	0.00	1.40	23.45	1.15	0.00	1.15
20.90	1.39	0.00	1.39	23.50	1.14	0.00	1.14
20.95	1.39	0.00	1.39	23.55	1.13	0.00	1.13
21.00	1.38	0.00	1.38	23.60	1.13	0.00	1.13
21.05	1.38	0.00	1.38	23.65	1.12	0.00	1.12
21.10	1.37	0.00	1.37	23.70	1.12	0.00	1.12
21.15	1.37	0.00	1.37	23.75	1.12	0.00	1.12
21.20	1.36	0.00	1.36	23.80	1.11	0.00	1.11
21.25	1.36	0.00	1.36	23.85	1.10	0.00	1.10
21.30	1.36	0.00	1.36	23.90	1.10	0.00	1.10
21.35	1.35	0.00	1.35	23.95	1.10	0.00	1.10
21.40	1.35	0.00	1.35	24.00	1.14	0.00	1.14
21.45	1.34	0.00	1.34	24.05	1.18	0.00	1.18
21.50	1.34	0.00	1.34	24.10	1.00	0.00	1.00
21.55	1.33	0.00	1.33	24.15	0.62	0.00	0.62
21.60	1.32	0.00	1.32	24.20	0.32	0.00	0.32
21.65	1.32	0.00	1.32	24.25	0.15	0.00	0.15
21.70	1.31	0.00	1.31	24.30	0.08	0.00	0.08
21.75	1.31	0.00	1.31	24.35	0.04	0.00	0.04
21.80	1.31	0.00	1.31	24.40	0.02	0.00	0.02
21.85	1.30	0.00	1.30	24.45	0.01	0.00	0.01
21.90	1.30	0.00	1.30	24.50	0.00	0.00	0.00
21.95	1.29	0.00	1.29	24.55	0.00	0.00	0.00
22.00	1.29	0.00	1.29	24.60	0.00	0.00	0.00
22.05	1.28	0.00	1.28	24.65	0.00	0.00	0.00
22.10	1.28	0.00	1.28	24.70	0.00	0.00	0.00
22.15	1.27	0.00	1.27	24.75	0.00	0.00	0.00
22.20	1.27	0.00	1.27	24.80	0.00	0.00	0.00
22.25	1.27	0.00	1.27	24.85	0.00	0.00	0.00
22.30	1.26	0.00	1.26	24.90	0.00	0.00	0.00
22.35	1.25	0.00	1.25	24.95	0.00	0.00	0.00
22.40	1.25	0.00	1.25	25.00	0.00	0.00	0.00
22.45	1.24	0.00	1.24	25.05	0.00	0.00	0.00
22.50	1.24	0.00	1.24	25.10	0.00	0.00	0.00
22.55	1.23	0.00	1.23	25.15	0.00	0.00	0.00
22.60	1.23	0.00	1.23	25.20	0.00	0.00	0.00
22.65	1.23	0.00	1.23	25.25	0.00	0.00	0.00
22.70	1.22	0.00	1.22	25.30	0.00	0.00	0.00
22.75	1.21	0.00	1.21	25.35	0.00	0.00	0.00
22.80	1.21	0.00	1.21	25.40	0.00	0.00	0.00
22.85	1.20	0.00	1.20	25.45	0.00	0.00	0.00
22.90	1.20	0.00	1.20	25.50	0.00	0.00	0.00
22.95	1.19	0.00	1.19	25.55	0.00	0.00	0.00
23.00	1.19	0.00	1.19	25.60	0.00	0.00	0.00
23.05	1.19	0.00	1.19	25.65	0.00	0.00	0.00
23.10	1.18	0.00	1.18	25.70	0.00	0.00	0.00
23.15	1.17	0.00	1.17	25.75	0.00	0.00	0.00
23.20	1.17	0.00	1.17	25.80	0.00	0.00	0.00
23.25	1.16	0.00	1.16	25.85	0.00	0.00	0.00
23.30	1.16	0.00	1.16	25.90	0.00	0.00	0.00
23.35	1.15	0.00	1.15	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

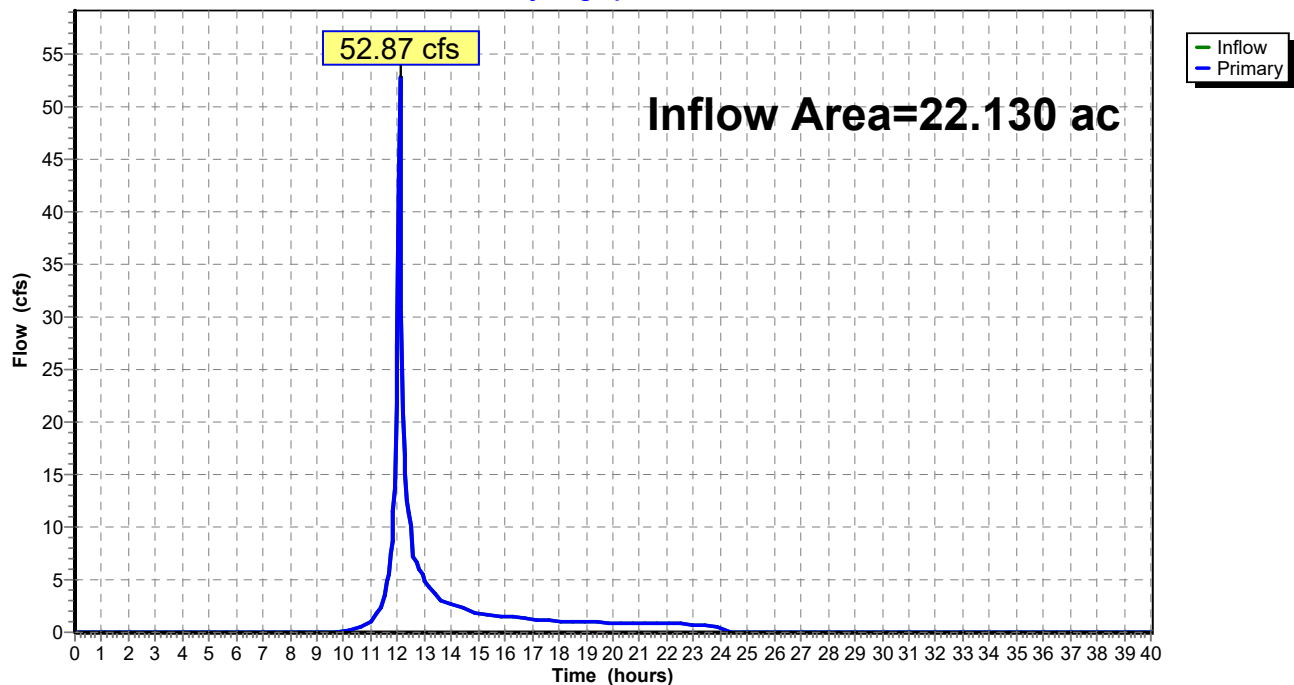
Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 1.62" for Future 2 yr event
Inflow = 52.87 cfs @ 12.09 hrs, Volume= 2.996 af
Primary = 52.87 cfs @ 12.09 hrs, Volume= 2.996 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.01	0.00	0.01
7.05	0.00	0.00	0.00	9.65	0.02	0.00	0.02
7.10	0.00	0.00	0.00	9.70	0.03	0.00	0.03
7.15	0.00	0.00	0.00	9.75	0.05	0.00	0.05
7.20	0.00	0.00	0.00	9.80	0.07	0.00	0.07
7.25	0.00	0.00	0.00	9.85	0.09	0.00	0.09
7.30	0.00	0.00	0.00	9.90	0.10	0.00	0.10
7.35	0.00	0.00	0.00	9.95	0.13	0.00	0.13
7.40	0.00	0.00	0.00	10.00	0.14	0.00	0.14
7.45	0.00	0.00	0.00	10.05	0.17	0.00	0.17
7.50	0.00	0.00	0.00	10.10	0.19	0.00	0.19
7.55	0.00	0.00	0.00	10.15	0.21	0.00	0.21
7.60	0.00	0.00	0.00	10.20	0.24	0.00	0.24
7.65	0.00	0.00	0.00	10.25	0.26	0.00	0.26
7.70	0.00	0.00	0.00	10.30	0.28	0.00	0.28
7.75	0.00	0.00	0.00	10.35	0.31	0.00	0.31

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.34	0.00	0.34	13.00	5.12	0.00	5.12
10.45	0.37	0.00	0.37	13.05	4.72	0.00	4.72
10.50	0.40	0.00	0.40	13.10	4.55	0.00	4.55
10.55	0.45	0.00	0.45	13.15	4.33	0.00	4.33
10.60	0.49	0.00	0.49	13.20	4.23	0.00	4.23
10.65	0.56	0.00	0.56	13.25	4.02	0.00	4.02
10.70	0.61	0.00	0.61	13.30	3.92	0.00	3.92
10.75	0.69	0.00	0.69	13.35	3.70	0.00	3.70
10.80	0.74	0.00	0.74	13.40	3.60	0.00	3.60
10.85	0.83	0.00	0.83	13.45	3.38	0.00	3.38
10.90	0.89	0.00	0.89	13.50	3.28	0.00	3.28
10.95	0.99	0.00	0.99	13.55	3.06	0.00	3.06
11.00	1.07	0.00	1.07	13.60	2.97	0.00	2.97
11.05	1.22	0.00	1.22	13.65	2.90	0.00	2.90
11.10	1.33	0.00	1.33	13.70	2.88	0.00	2.88
11.15	1.51	0.00	1.51	13.75	2.82	0.00	2.82
11.20	1.64	0.00	1.64	13.80	2.80	0.00	2.80
11.25	1.85	0.00	1.85	13.85	2.75	0.00	2.75
11.30	2.00	0.00	2.00	13.90	2.72	0.00	2.72
11.35	2.23	0.00	2.23	13.95	2.66	0.00	2.66
11.40	2.40	0.00	2.40	14.00	2.64	0.00	2.64
11.45	2.62	0.00	2.62	14.05	2.58	0.00	2.58
11.50	2.83	0.00	2.83	14.10	2.55	0.00	2.55
11.55	4.05	0.00	4.05	14.15	2.50	0.00	2.50
11.60	4.77	0.00	4.77	14.20	2.48	0.00	2.48
11.65	5.24	0.00	5.24	14.25	2.41	0.00	2.41
11.70	5.64	0.00	5.64	14.30	2.39	0.00	2.39
11.75	7.43	0.00	7.43	14.35	2.33	0.00	2.33
11.80	8.61	0.00	8.61	14.40	2.30	0.00	2.30
11.85	11.54	0.00	11.54	14.45	2.25	0.00	2.25
11.90	13.63	0.00	13.63	14.50	2.22	0.00	2.22
11.95	21.73	0.00	21.73	14.55	2.16	0.00	2.16
12.00	27.23	0.00	27.23	14.60	2.13	0.00	2.13
12.05	43.14	0.00	43.14	14.65	2.07	0.00	2.07
12.10	52.26	0.00	52.26	14.70	2.05	0.00	2.05
12.15	31.03	0.00	31.03	14.75	1.99	0.00	1.99
12.20	20.88	0.00	20.88	14.80	1.97	0.00	1.97
12.25	16.77	0.00	16.77	14.85	1.90	0.00	1.90
12.30	15.20	0.00	15.20	14.90	1.87	0.00	1.87
12.35	12.52	0.00	12.52	14.95	1.81	0.00	1.81
12.40	11.41	0.00	11.41	15.00	1.79	0.00	1.79
12.45	11.06	0.00	11.06	15.05	1.73	0.00	1.73
12.50	10.89	0.00	10.89	15.10	1.70	0.00	1.70
12.55	8.36	0.00	8.36	15.15	1.68	0.00	1.68
12.60	7.24	0.00	7.24	15.20	1.68	0.00	1.68
12.65	6.91	0.00	6.91	15.25	1.66	0.00	1.66
12.70	6.79	0.00	6.79	15.30	1.65	0.00	1.65
12.75	6.42	0.00	6.42	15.35	1.64	0.00	1.64
12.80	6.25	0.00	6.25	15.40	1.64	0.00	1.64
12.85	5.87	0.00	5.87	15.45	1.62	0.00	1.62
12.90	5.70	0.00	5.70	15.50	1.61	0.00	1.61
12.95	5.30	0.00	5.30	15.55	1.60	0.00	1.60

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.59	0.00	1.59	18.20	1.00	0.00	1.00
15.65	1.57	0.00	1.57	18.25	1.00	0.00	1.00
15.70	1.57	0.00	1.57	18.30	1.00	0.00	1.00
15.75	1.55	0.00	1.55	18.35	0.99	0.00	0.99
15.80	1.54	0.00	1.54	18.40	0.99	0.00	0.99
15.85	1.53	0.00	1.53	18.45	0.99	0.00	0.99
15.90	1.53	0.00	1.53	18.50	0.99	0.00	0.99
15.95	1.51	0.00	1.51	18.55	0.98	0.00	0.98
16.00	1.50	0.00	1.50	18.60	0.98	0.00	0.98
16.05	1.49	0.00	1.49	18.65	0.98	0.00	0.98
16.10	1.48	0.00	1.48	18.70	0.98	0.00	0.98
16.15	1.47	0.00	1.47	18.75	0.97	0.00	0.97
16.20	1.46	0.00	1.46	18.80	0.97	0.00	0.97
16.25	1.44	0.00	1.44	18.85	0.97	0.00	0.97
16.30	1.43	0.00	1.43	18.90	0.96	0.00	0.96
16.35	1.42	0.00	1.42	18.95	0.96	0.00	0.96
16.40	1.41	0.00	1.41	19.00	0.96	0.00	0.96
16.45	1.39	0.00	1.39	19.05	0.96	0.00	0.96
16.50	1.38	0.00	1.38	19.10	0.95	0.00	0.95
16.55	1.37	0.00	1.37	19.15	0.95	0.00	0.95
16.60	1.37	0.00	1.37	19.20	0.95	0.00	0.95
16.65	1.35	0.00	1.35	19.25	0.94	0.00	0.94
16.70	1.34	0.00	1.34	19.30	0.94	0.00	0.94
16.75	1.32	0.00	1.32	19.35	0.94	0.00	0.94
16.80	1.31	0.00	1.31	19.40	0.94	0.00	0.94
16.85	1.30	0.00	1.30	19.45	0.93	0.00	0.93
16.90	1.30	0.00	1.30	19.50	0.93	0.00	0.93
16.95	1.28	0.00	1.28	19.55	0.93	0.00	0.93
17.00	1.27	0.00	1.27	19.60	0.92	0.00	0.92
17.05	1.26	0.00	1.26	19.65	0.92	0.00	0.92
17.10	1.25	0.00	1.25	19.70	0.92	0.00	0.92
17.15	1.23	0.00	1.23	19.75	0.92	0.00	0.92
17.20	1.23	0.00	1.23	19.80	0.92	0.00	0.92
17.25	1.20	0.00	1.20	19.85	0.91	0.00	0.91
17.30	1.20	0.00	1.20	19.90	0.91	0.00	0.91
17.35	1.18	0.00	1.18	19.95	0.90	0.00	0.90
17.40	1.18	0.00	1.18	20.00	0.90	0.00	0.90
17.45	1.16	0.00	1.16	20.05	0.90	0.00	0.90
17.50	1.15	0.00	1.15	20.10	0.90	0.00	0.90
17.55	1.14	0.00	1.14	20.15	0.89	0.00	0.89
17.60	1.13	0.00	1.13	20.20	0.89	0.00	0.89
17.65	1.11	0.00	1.11	20.25	0.89	0.00	0.89
17.70	1.11	0.00	1.11	20.30	0.88	0.00	0.88
17.75	1.09	0.00	1.09	20.35	0.88	0.00	0.88
17.80	1.08	0.00	1.08	20.40	0.88	0.00	0.88
17.85	1.07	0.00	1.07	20.45	0.87	0.00	0.87
17.90	1.06	0.00	1.06	20.50	0.87	0.00	0.87
17.95	1.04	0.00	1.04	20.55	0.87	0.00	0.87
18.00	1.03	0.00	1.03	20.60	0.87	0.00	0.87
18.05	1.02	0.00	1.02	20.65	0.86	0.00	0.86
18.10	1.01	0.00	1.01	20.70	0.86	0.00	0.86
18.15	1.01	0.00	1.01	20.75	0.86	0.00	0.86

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.86	0.00	0.86	23.40	0.70	0.00	0.70
20.85	0.85	0.00	0.85	23.45	0.70	0.00	0.70
20.90	0.85	0.00	0.85	23.50	0.69	0.00	0.69
20.95	0.85	0.00	0.85	23.55	0.69	0.00	0.69
21.00	0.84	0.00	0.84	23.60	0.69	0.00	0.69
21.05	0.84	0.00	0.84	23.65	0.69	0.00	0.69
21.10	0.84	0.00	0.84	23.70	0.69	0.00	0.69
21.15	0.83	0.00	0.83	23.75	0.68	0.00	0.68
21.20	0.83	0.00	0.83	23.80	0.67	0.00	0.67
21.25	0.83	0.00	0.83	23.85	0.67	0.00	0.67
21.30	0.83	0.00	0.83	23.90	0.67	0.00	0.67
21.35	0.82	0.00	0.82	23.95	0.78	0.00	0.78
21.40	0.82	0.00	0.82	24.00	0.81	0.00	0.81
21.45	0.82	0.00	0.82	24.05	0.26	0.00	0.26
21.50	0.81	0.00	0.81	24.10	0.02	0.00	0.02
21.55	0.81	0.00	0.81	24.15	0.00	0.00	0.00
21.60	0.81	0.00	0.81	24.20	0.00	0.00	0.00
21.65	0.80	0.00	0.80	24.25	0.00	0.00	0.00
21.70	0.80	0.00	0.80	24.30	0.00	0.00	0.00
21.75	0.80	0.00	0.80	24.35	0.00	0.00	0.00
21.80	0.80	0.00	0.80	24.40	0.00	0.00	0.00
21.85	0.79	0.00	0.79	24.45	0.00	0.00	0.00
21.90	0.79	0.00	0.79	24.50	0.00	0.00	0.00
21.95	0.79	0.00	0.79	24.55	0.00	0.00	0.00
22.00	0.78	0.00	0.78	24.60	0.00	0.00	0.00
22.05	0.78	0.00	0.78	24.65	0.00	0.00	0.00
22.10	0.78	0.00	0.78	24.70	0.00	0.00	0.00
22.15	0.78	0.00	0.78	24.75	0.00	0.00	0.00
22.20	0.78	0.00	0.78	24.80	0.00	0.00	0.00
22.25	0.77	0.00	0.77	24.85	0.00	0.00	0.00
22.30	0.77	0.00	0.77	24.90	0.00	0.00	0.00
22.35	0.76	0.00	0.76	24.95	0.00	0.00	0.00
22.40	0.76	0.00	0.76	25.00	0.00	0.00	0.00
22.45	0.76	0.00	0.76	25.05	0.00	0.00	0.00
22.50	0.75	0.00	0.75	25.10	0.00	0.00	0.00
22.55	0.75	0.00	0.75	25.15	0.00	0.00	0.00
22.60	0.75	0.00	0.75	25.20	0.00	0.00	0.00
22.65	0.75	0.00	0.75	25.25	0.00	0.00	0.00
22.70	0.74	0.00	0.74	25.30	0.00	0.00	0.00
22.75	0.74	0.00	0.74	25.35	0.00	0.00	0.00
22.80	0.74	0.00	0.74	25.40	0.00	0.00	0.00
22.85	0.73	0.00	0.73	25.45	0.00	0.00	0.00
22.90	0.73	0.00	0.73	25.50	0.00	0.00	0.00
22.95	0.73	0.00	0.73	25.55	0.00	0.00	0.00
23.00	0.73	0.00	0.73	25.60	0.00	0.00	0.00
23.05	0.72	0.00	0.72	25.65	0.00	0.00	0.00
23.10	0.72	0.00	0.72	25.70	0.00	0.00	0.00
23.15	0.71	0.00	0.71	25.75	0.00	0.00	0.00
23.20	0.71	0.00	0.71	25.80	0.00	0.00	0.00
23.25	0.71	0.00	0.71	25.85	0.00	0.00	0.00
23.30	0.70	0.00	0.70	25.90	0.00	0.00	0.00
23.35	0.70	0.00	0.70	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

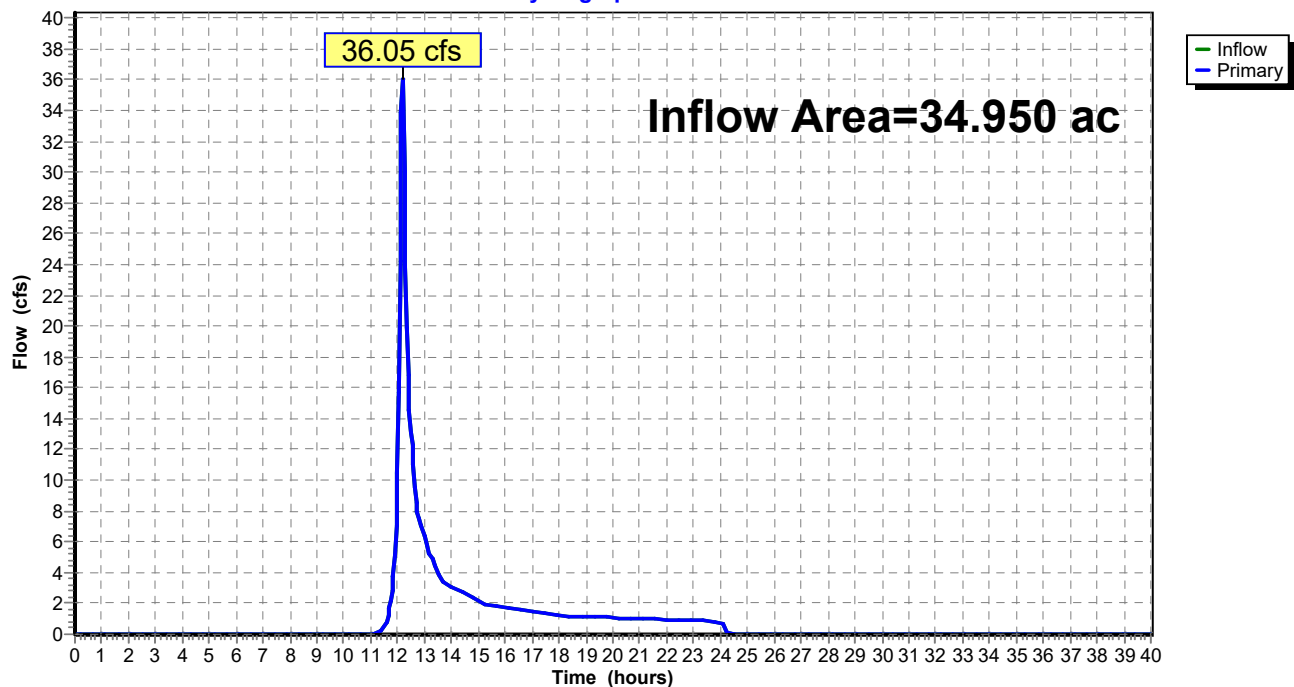
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 1.00" for Future 2 yr event
Inflow = 36.05 cfs @ 12.19 hrs, Volume= 2.925 af
Primary = 36.05 cfs @ 12.19 hrs, Volume= 2.925 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	6.27	0.00	6.27
10.45	0.00	0.00	0.00	13.05	5.98	0.00	5.98
10.50	0.00	0.00	0.00	13.10	5.67	0.00	5.67
10.55	0.00	0.00	0.00	13.15	5.38	0.00	5.38
10.60	0.00	0.00	0.00	13.20	5.13	0.00	5.13
10.65	0.00	0.00	0.00	13.25	4.93	0.00	4.93
10.70	0.00	0.00	0.00	13.30	4.74	0.00	4.74
10.75	0.00	0.00	0.00	13.35	4.57	0.00	4.57
10.80	0.00	0.00	0.00	13.40	4.40	0.00	4.40
10.85	0.00	0.00	0.00	13.45	4.23	0.00	4.23
10.90	0.00	0.00	0.00	13.50	4.05	0.00	4.05
10.95	0.00	0.00	0.00	13.55	3.88	0.00	3.88
11.00	0.00	0.00	0.00	13.60	3.70	0.00	3.70
11.05	0.00	0.00	0.00	13.65	3.54	0.00	3.54
11.10	0.00	0.00	0.00	13.70	3.42	0.00	3.42
11.15	0.00	0.00	0.00	13.75	3.34	0.00	3.34
11.20	0.00	0.00	0.00	13.80	3.28	0.00	3.28
11.25	0.01	0.00	0.01	13.85	3.23	0.00	3.23
11.30	0.04	0.00	0.04	13.90	3.18	0.00	3.18
11.35	0.10	0.00	0.10	13.95	3.14	0.00	3.14
11.40	0.20	0.00	0.20	14.00	3.10	0.00	3.10
11.45	0.32	0.00	0.32	14.05	3.05	0.00	3.05
11.50	0.46	0.00	0.46	14.10	3.01	0.00	3.01
11.55	0.62	0.00	0.62	14.15	2.96	0.00	2.96
11.60	0.90	0.00	0.90	14.20	2.92	0.00	2.92
11.65	1.29	0.00	1.29	14.25	2.88	0.00	2.88
11.70	1.71	0.00	1.71	14.30	2.83	0.00	2.83
11.75	2.15	0.00	2.15	14.35	2.79	0.00	2.79
11.80	2.80	0.00	2.80	14.40	2.74	0.00	2.74
11.85	3.73	0.00	3.73	14.45	2.69	0.00	2.69
11.90	5.08	0.00	5.08	14.50	2.65	0.00	2.65
11.95	7.06	0.00	7.06	14.55	2.60	0.00	2.60
12.00	10.48	0.00	10.48	14.60	2.56	0.00	2.56
12.05	15.73	0.00	15.73	14.65	2.51	0.00	2.51
12.10	24.23	0.00	24.23	14.70	2.46	0.00	2.46
12.15	33.89	0.00	33.89	14.75	2.41	0.00	2.41
12.20	35.81	0.00	35.81	14.80	2.36	0.00	2.36
12.25	30.07	0.00	30.07	14.85	2.32	0.00	2.32
12.30	23.97	0.00	23.97	14.90	2.27	0.00	2.27
12.35	19.85	0.00	19.85	14.95	2.22	0.00	2.22
12.40	16.82	0.00	16.82	15.00	2.17	0.00	2.17
12.45	14.53	0.00	14.53	15.05	2.12	0.00	2.12
12.50	13.10	0.00	13.10	15.10	2.07	0.00	2.07
12.55	12.24	0.00	12.24	15.15	2.03	0.00	2.03
12.60	11.04	0.00	11.04	15.20	1.99	0.00	1.99
12.65	9.56	0.00	9.56	15.25	1.97	0.00	1.97
12.70	8.51	0.00	8.51	15.30	1.95	0.00	1.95
12.75	7.92	0.00	7.92	15.35	1.94	0.00	1.94
12.80	7.51	0.00	7.51	15.40	1.93	0.00	1.93
12.85	7.17	0.00	7.17	15.45	1.92	0.00	1.92
12.90	6.87	0.00	6.87	15.50	1.90	0.00	1.90
12.95	6.57	0.00	6.57	15.55	1.89	0.00	1.89

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.88	0.00	1.88	18.20	1.21	0.00	1.21
15.65	1.87	0.00	1.87	18.25	1.20	0.00	1.20
15.70	1.86	0.00	1.86	18.30	1.20	0.00	1.20
15.75	1.84	0.00	1.84	18.35	1.19	0.00	1.19
15.80	1.83	0.00	1.83	18.40	1.19	0.00	1.19
15.85	1.82	0.00	1.82	18.45	1.19	0.00	1.19
15.90	1.81	0.00	1.81	18.50	1.18	0.00	1.18
15.95	1.80	0.00	1.80	18.55	1.18	0.00	1.18
16.00	1.78	0.00	1.78	18.60	1.18	0.00	1.18
16.05	1.77	0.00	1.77	18.65	1.17	0.00	1.17
16.10	1.76	0.00	1.76	18.70	1.17	0.00	1.17
16.15	1.75	0.00	1.75	18.75	1.17	0.00	1.17
16.20	1.73	0.00	1.73	18.80	1.16	0.00	1.16
16.25	1.72	0.00	1.72	18.85	1.16	0.00	1.16
16.30	1.71	0.00	1.71	18.90	1.16	0.00	1.16
16.35	1.69	0.00	1.69	18.95	1.16	0.00	1.16
16.40	1.68	0.00	1.68	19.00	1.15	0.00	1.15
16.45	1.67	0.00	1.67	19.05	1.15	0.00	1.15
16.50	1.66	0.00	1.66	19.10	1.15	0.00	1.15
16.55	1.64	0.00	1.64	19.15	1.14	0.00	1.14
16.60	1.63	0.00	1.63	19.20	1.14	0.00	1.14
16.65	1.62	0.00	1.62	19.25	1.14	0.00	1.14
16.70	1.61	0.00	1.61	19.30	1.13	0.00	1.13
16.75	1.59	0.00	1.59	19.35	1.13	0.00	1.13
16.80	1.58	0.00	1.58	19.40	1.13	0.00	1.13
16.85	1.57	0.00	1.57	19.45	1.12	0.00	1.12
16.90	1.55	0.00	1.55	19.50	1.12	0.00	1.12
16.95	1.54	0.00	1.54	19.55	1.12	0.00	1.12
17.00	1.53	0.00	1.53	19.60	1.12	0.00	1.12
17.05	1.52	0.00	1.52	19.65	1.11	0.00	1.11
17.10	1.50	0.00	1.50	19.70	1.11	0.00	1.11
17.15	1.49	0.00	1.49	19.75	1.11	0.00	1.11
17.20	1.48	0.00	1.48	19.80	1.10	0.00	1.10
17.25	1.46	0.00	1.46	19.85	1.10	0.00	1.10
17.30	1.45	0.00	1.45	19.90	1.10	0.00	1.10
17.35	1.43	0.00	1.43	19.95	1.10	0.00	1.10
17.40	1.42	0.00	1.42	20.00	1.09	0.00	1.09
17.45	1.41	0.00	1.41	20.05	1.09	0.00	1.09
17.50	1.39	0.00	1.39	20.10	1.08	0.00	1.08
17.55	1.38	0.00	1.38	20.15	1.08	0.00	1.08
17.60	1.37	0.00	1.37	20.20	1.08	0.00	1.08
17.65	1.35	0.00	1.35	20.25	1.07	0.00	1.07
17.70	1.34	0.00	1.34	20.30	1.07	0.00	1.07
17.75	1.33	0.00	1.33	20.35	1.07	0.00	1.07
17.80	1.31	0.00	1.31	20.40	1.06	0.00	1.06
17.85	1.30	0.00	1.30	20.45	1.06	0.00	1.06
17.90	1.28	0.00	1.28	20.50	1.06	0.00	1.06
17.95	1.27	0.00	1.27	20.55	1.05	0.00	1.05
18.00	1.26	0.00	1.26	20.60	1.05	0.00	1.05
18.05	1.24	0.00	1.24	20.65	1.05	0.00	1.05
18.10	1.23	0.00	1.23	20.70	1.05	0.00	1.05
18.15	1.22	0.00	1.22	20.75	1.04	0.00	1.04

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.04	0.00	1.04	23.40	0.86	0.00	0.86
20.85	1.03	0.00	1.03	23.45	0.86	0.00	0.86
20.90	1.03	0.00	1.03	23.50	0.85	0.00	0.85
20.95	1.03	0.00	1.03	23.55	0.85	0.00	0.85
21.00	1.02	0.00	1.02	23.60	0.84	0.00	0.84
21.05	1.02	0.00	1.02	23.65	0.84	0.00	0.84
21.10	1.02	0.00	1.02	23.70	0.84	0.00	0.84
21.15	1.01	0.00	1.01	23.75	0.84	0.00	0.84
21.20	1.01	0.00	1.01	23.80	0.83	0.00	0.83
21.25	1.01	0.00	1.01	23.85	0.83	0.00	0.83
21.30	1.01	0.00	1.01	23.90	0.82	0.00	0.82
21.35	1.00	0.00	1.00	23.95	0.83	0.00	0.83
21.40	1.00	0.00	1.00	24.00	0.86	0.00	0.86
21.45	1.00	0.00	1.00	24.05	0.89	0.00	0.89
21.50	0.99	0.00	0.99	24.10	0.72	0.00	0.72
21.55	0.99	0.00	0.99	24.15	0.42	0.00	0.42
21.60	0.98	0.00	0.98	24.20	0.20	0.00	0.20
21.65	0.98	0.00	0.98	24.25	0.09	0.00	0.09
21.70	0.98	0.00	0.98	24.30	0.04	0.00	0.04
21.75	0.97	0.00	0.97	24.35	0.02	0.00	0.02
21.80	0.97	0.00	0.97	24.40	0.01	0.00	0.01
21.85	0.97	0.00	0.97	24.45	0.00	0.00	0.00
21.90	0.97	0.00	0.97	24.50	0.00	0.00	0.00
21.95	0.96	0.00	0.96	24.55	0.00	0.00	0.00
22.00	0.96	0.00	0.96	24.60	0.00	0.00	0.00
22.05	0.95	0.00	0.95	24.65	0.00	0.00	0.00
22.10	0.95	0.00	0.95	24.70	0.00	0.00	0.00
22.15	0.95	0.00	0.95	24.75	0.00	0.00	0.00
22.20	0.94	0.00	0.94	24.80	0.00	0.00	0.00
22.25	0.94	0.00	0.94	24.85	0.00	0.00	0.00
22.30	0.94	0.00	0.94	24.90	0.00	0.00	0.00
22.35	0.93	0.00	0.93	24.95	0.00	0.00	0.00
22.40	0.93	0.00	0.93	25.00	0.00	0.00	0.00
22.45	0.93	0.00	0.93	25.05	0.00	0.00	0.00
22.50	0.92	0.00	0.92	25.10	0.00	0.00	0.00
22.55	0.92	0.00	0.92	25.15	0.00	0.00	0.00
22.60	0.92	0.00	0.92	25.20	0.00	0.00	0.00
22.65	0.92	0.00	0.92	25.25	0.00	0.00	0.00
22.70	0.91	0.00	0.91	25.30	0.00	0.00	0.00
22.75	0.91	0.00	0.91	25.35	0.00	0.00	0.00
22.80	0.90	0.00	0.90	25.40	0.00	0.00	0.00
22.85	0.90	0.00	0.90	25.45	0.00	0.00	0.00
22.90	0.89	0.00	0.89	25.50	0.00	0.00	0.00
22.95	0.89	0.00	0.89	25.55	0.00	0.00	0.00
23.00	0.89	0.00	0.89	25.60	0.00	0.00	0.00
23.05	0.89	0.00	0.89	25.65	0.00	0.00	0.00
23.10	0.88	0.00	0.88	25.70	0.00	0.00	0.00
23.15	0.88	0.00	0.88	25.75	0.00	0.00	0.00
23.20	0.87	0.00	0.87	25.80	0.00	0.00	0.00
23.25	0.87	0.00	0.87	25.85	0.00	0.00	0.00
23.30	0.86	0.00	0.86	25.90	0.00	0.00	0.00
23.35	0.86	0.00	0.86	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

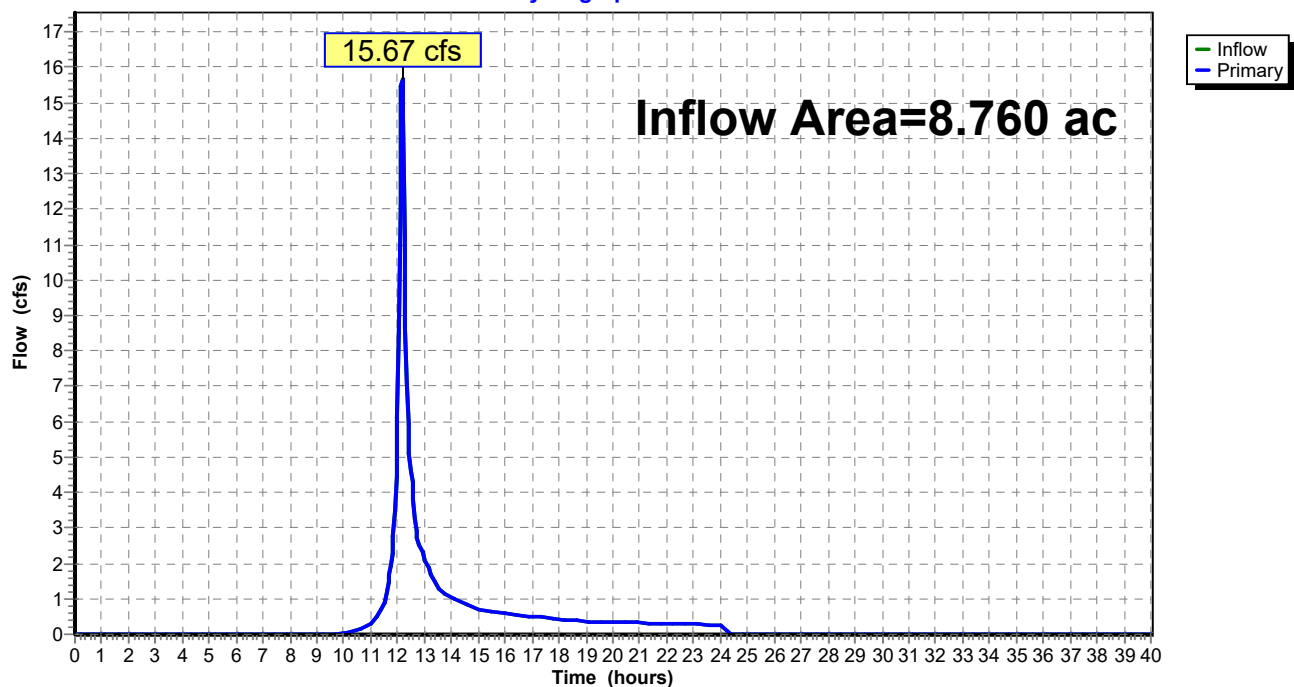
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 1.56" for Future 2 yr event
Inflow = 15.67 cfs @ 12.16 hrs, Volume= 1.135 af
Primary = 15.67 cfs @ 12.16 hrs, Volume= 1.135 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.01	0.00	0.01
7.40	0.00	0.00	0.00	10.00	0.01	0.00	0.01
7.45	0.00	0.00	0.00	10.05	0.02	0.00	0.02
7.50	0.00	0.00	0.00	10.10	0.03	0.00	0.03
7.55	0.00	0.00	0.00	10.15	0.03	0.00	0.03
7.60	0.00	0.00	0.00	10.20	0.04	0.00	0.04
7.65	0.00	0.00	0.00	10.25	0.05	0.00	0.05
7.70	0.00	0.00	0.00	10.30	0.06	0.00	0.06
7.75	0.00	0.00	0.00	10.35	0.07	0.00	0.07

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.08	0.00	0.08	13.00	2.15	0.00	2.15
10.45	0.09	0.00	0.09	13.05	2.05	0.00	2.05
10.50	0.10	0.00	0.10	13.10	1.93	0.00	1.93
10.55	0.11	0.00	0.11	13.15	1.83	0.00	1.83
10.60	0.12	0.00	0.12	13.20	1.75	0.00	1.75
10.65	0.14	0.00	0.14	13.25	1.68	0.00	1.68
10.70	0.16	0.00	0.16	13.30	1.61	0.00	1.61
10.75	0.18	0.00	0.18	13.35	1.55	0.00	1.55
10.80	0.20	0.00	0.20	13.40	1.49	0.00	1.49
10.85	0.22	0.00	0.22	13.45	1.43	0.00	1.43
10.90	0.25	0.00	0.25	13.50	1.37	0.00	1.37
10.95	0.27	0.00	0.27	13.55	1.31	0.00	1.31
11.00	0.30	0.00	0.30	13.60	1.24	0.00	1.24
11.05	0.33	0.00	0.33	13.65	1.19	0.00	1.19
11.10	0.37	0.00	0.37	13.70	1.15	0.00	1.15
11.15	0.42	0.00	0.42	13.75	1.13	0.00	1.13
11.20	0.47	0.00	0.47	13.80	1.11	0.00	1.11
11.25	0.52	0.00	0.52	13.85	1.09	0.00	1.09
11.30	0.58	0.00	0.58	13.90	1.07	0.00	1.07
11.35	0.64	0.00	0.64	13.95	1.06	0.00	1.06
11.40	0.71	0.00	0.71	14.00	1.04	0.00	1.04
11.45	0.79	0.00	0.79	14.05	1.03	0.00	1.03
11.50	0.86	0.00	0.86	14.10	1.01	0.00	1.01
11.55	0.96	0.00	0.96	14.15	0.99	0.00	0.99
11.60	1.18	0.00	1.18	14.20	0.98	0.00	0.98
11.65	1.46	0.00	1.46	14.25	0.96	0.00	0.96
11.70	1.69	0.00	1.69	14.30	0.95	0.00	0.95
11.75	1.91	0.00	1.91	14.35	0.93	0.00	0.93
11.80	2.28	0.00	2.28	14.40	0.92	0.00	0.92
11.85	2.79	0.00	2.79	14.45	0.90	0.00	0.90
11.90	3.49	0.00	3.49	14.50	0.88	0.00	0.88
11.95	4.45	0.00	4.45	14.55	0.87	0.00	0.87
12.00	6.14	0.00	6.14	14.60	0.85	0.00	0.85
12.05	8.52	0.00	8.52	14.65	0.83	0.00	0.83
12.10	12.14	0.00	12.14	14.70	0.82	0.00	0.82
12.15	15.50	0.00	15.50	14.75	0.80	0.00	0.80
12.20	14.59	0.00	14.59	14.80	0.78	0.00	0.78
12.25	11.22	0.00	11.22	14.85	0.77	0.00	0.77
12.30	8.67	0.00	8.67	14.90	0.75	0.00	0.75
12.35	7.06	0.00	7.06	14.95	0.73	0.00	0.73
12.40	5.91	0.00	5.91	15.00	0.72	0.00	0.72
12.45	5.07	0.00	5.07	15.05	0.70	0.00	0.70
12.50	4.60	0.00	4.60	15.10	0.68	0.00	0.68
12.55	4.30	0.00	4.30	15.15	0.67	0.00	0.67
12.60	3.80	0.00	3.80	15.20	0.66	0.00	0.66
12.65	3.26	0.00	3.26	15.25	0.65	0.00	0.65
12.70	2.93	0.00	2.93	15.30	0.65	0.00	0.65
12.75	2.74	0.00	2.74	15.35	0.64	0.00	0.64
12.80	2.60	0.00	2.60	15.40	0.64	0.00	0.64
12.85	2.48	0.00	2.48	15.45	0.63	0.00	0.63
12.90	2.37	0.00	2.37	15.50	0.63	0.00	0.63
12.95	2.26	0.00	2.26	15.55	0.62	0.00	0.62

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.62	0.00	0.62	18.20	0.39	0.00	0.39
15.65	0.62	0.00	0.62	18.25	0.39	0.00	0.39
15.70	0.61	0.00	0.61	18.30	0.39	0.00	0.39
15.75	0.61	0.00	0.61	18.35	0.39	0.00	0.39
15.80	0.60	0.00	0.60	18.40	0.39	0.00	0.39
15.85	0.60	0.00	0.60	18.45	0.38	0.00	0.38
15.90	0.59	0.00	0.59	18.50	0.38	0.00	0.38
15.95	0.59	0.00	0.59	18.55	0.38	0.00	0.38
16.00	0.59	0.00	0.59	18.60	0.38	0.00	0.38
16.05	0.58	0.00	0.58	18.65	0.38	0.00	0.38
16.10	0.58	0.00	0.58	18.70	0.38	0.00	0.38
16.15	0.57	0.00	0.57	18.75	0.38	0.00	0.38
16.20	0.57	0.00	0.57	18.80	0.38	0.00	0.38
16.25	0.57	0.00	0.57	18.85	0.38	0.00	0.38
16.30	0.56	0.00	0.56	18.90	0.37	0.00	0.37
16.35	0.56	0.00	0.56	18.95	0.37	0.00	0.37
16.40	0.55	0.00	0.55	19.00	0.37	0.00	0.37
16.45	0.55	0.00	0.55	19.05	0.37	0.00	0.37
16.50	0.54	0.00	0.54	19.10	0.37	0.00	0.37
16.55	0.54	0.00	0.54	19.15	0.37	0.00	0.37
16.60	0.53	0.00	0.53	19.20	0.37	0.00	0.37
16.65	0.53	0.00	0.53	19.25	0.37	0.00	0.37
16.70	0.53	0.00	0.53	19.30	0.37	0.00	0.37
16.75	0.52	0.00	0.52	19.35	0.37	0.00	0.37
16.80	0.52	0.00	0.52	19.40	0.36	0.00	0.36
16.85	0.51	0.00	0.51	19.45	0.36	0.00	0.36
16.90	0.51	0.00	0.51	19.50	0.36	0.00	0.36
16.95	0.50	0.00	0.50	19.55	0.36	0.00	0.36
17.00	0.50	0.00	0.50	19.60	0.36	0.00	0.36
17.05	0.49	0.00	0.49	19.65	0.36	0.00	0.36
17.10	0.49	0.00	0.49	19.70	0.36	0.00	0.36
17.15	0.49	0.00	0.49	19.75	0.36	0.00	0.36
17.20	0.48	0.00	0.48	19.80	0.36	0.00	0.36
17.25	0.48	0.00	0.48	19.85	0.36	0.00	0.36
17.30	0.47	0.00	0.47	19.90	0.35	0.00	0.35
17.35	0.47	0.00	0.47	19.95	0.35	0.00	0.35
17.40	0.46	0.00	0.46	20.00	0.35	0.00	0.35
17.45	0.46	0.00	0.46	20.05	0.35	0.00	0.35
17.50	0.45	0.00	0.45	20.10	0.35	0.00	0.35
17.55	0.45	0.00	0.45	20.15	0.35	0.00	0.35
17.60	0.44	0.00	0.44	20.20	0.35	0.00	0.35
17.65	0.44	0.00	0.44	20.25	0.35	0.00	0.35
17.70	0.44	0.00	0.44	20.30	0.34	0.00	0.34
17.75	0.43	0.00	0.43	20.35	0.34	0.00	0.34
17.80	0.43	0.00	0.43	20.40	0.34	0.00	0.34
17.85	0.42	0.00	0.42	20.45	0.34	0.00	0.34
17.90	0.42	0.00	0.42	20.50	0.34	0.00	0.34
17.95	0.41	0.00	0.41	20.55	0.34	0.00	0.34
18.00	0.41	0.00	0.41	20.60	0.34	0.00	0.34
18.05	0.40	0.00	0.40	20.65	0.34	0.00	0.34
18.10	0.40	0.00	0.40	20.70	0.34	0.00	0.34
18.15	0.39	0.00	0.39	20.75	0.33	0.00	0.33

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.33	0.00	0.33	23.40	0.27	0.00	0.27
20.85	0.33	0.00	0.33	23.45	0.27	0.00	0.27
20.90	0.33	0.00	0.33	23.50	0.27	0.00	0.27
20.95	0.33	0.00	0.33	23.55	0.27	0.00	0.27
21.00	0.33	0.00	0.33	23.60	0.27	0.00	0.27
21.05	0.33	0.00	0.33	23.65	0.27	0.00	0.27
21.10	0.33	0.00	0.33	23.70	0.27	0.00	0.27
21.15	0.32	0.00	0.32	23.75	0.27	0.00	0.27
21.20	0.32	0.00	0.32	23.80	0.26	0.00	0.26
21.25	0.32	0.00	0.32	23.85	0.26	0.00	0.26
21.30	0.32	0.00	0.32	23.90	0.26	0.00	0.26
21.35	0.32	0.00	0.32	23.95	0.26	0.00	0.26
21.40	0.32	0.00	0.32	24.00	0.28	0.00	0.28
21.45	0.32	0.00	0.32	24.05	0.28	0.00	0.28
21.50	0.32	0.00	0.32	24.10	0.21	0.00	0.21
21.55	0.32	0.00	0.32	24.15	0.11	0.00	0.11
21.60	0.31	0.00	0.31	24.20	0.05	0.00	0.05
21.65	0.31	0.00	0.31	24.25	0.02	0.00	0.02
21.70	0.31	0.00	0.31	24.30	0.01	0.00	0.01
21.75	0.31	0.00	0.31	24.35	0.00	0.00	0.00
21.80	0.31	0.00	0.31	24.40	0.00	0.00	0.00
21.85	0.31	0.00	0.31	24.45	0.00	0.00	0.00
21.90	0.31	0.00	0.31	24.50	0.00	0.00	0.00
21.95	0.31	0.00	0.31	24.55	0.00	0.00	0.00
22.00	0.31	0.00	0.31	24.60	0.00	0.00	0.00
22.05	0.30	0.00	0.30	24.65	0.00	0.00	0.00
22.10	0.30	0.00	0.30	24.70	0.00	0.00	0.00
22.15	0.30	0.00	0.30	24.75	0.00	0.00	0.00
22.20	0.30	0.00	0.30	24.80	0.00	0.00	0.00
22.25	0.30	0.00	0.30	24.85	0.00	0.00	0.00
22.30	0.30	0.00	0.30	24.90	0.00	0.00	0.00
22.35	0.30	0.00	0.30	24.95	0.00	0.00	0.00
22.40	0.30	0.00	0.30	25.00	0.00	0.00	0.00
22.45	0.29	0.00	0.29	25.05	0.00	0.00	0.00
22.50	0.29	0.00	0.29	25.10	0.00	0.00	0.00
22.55	0.29	0.00	0.29	25.15	0.00	0.00	0.00
22.60	0.29	0.00	0.29	25.20	0.00	0.00	0.00
22.65	0.29	0.00	0.29	25.25	0.00	0.00	0.00
22.70	0.29	0.00	0.29	25.30	0.00	0.00	0.00
22.75	0.29	0.00	0.29	25.35	0.00	0.00	0.00
22.80	0.29	0.00	0.29	25.40	0.00	0.00	0.00
22.85	0.29	0.00	0.29	25.45	0.00	0.00	0.00
22.90	0.28	0.00	0.28	25.50	0.00	0.00	0.00
22.95	0.28	0.00	0.28	25.55	0.00	0.00	0.00
23.00	0.28	0.00	0.28	25.60	0.00	0.00	0.00
23.05	0.28	0.00	0.28	25.65	0.00	0.00	0.00
23.10	0.28	0.00	0.28	25.70	0.00	0.00	0.00
23.15	0.28	0.00	0.28	25.75	0.00	0.00	0.00
23.20	0.28	0.00	0.28	25.80	0.00	0.00	0.00
23.25	0.28	0.00	0.28	25.85	0.00	0.00	0.00
23.30	0.27	0.00	0.27	25.90	0.00	0.00	0.00
23.35	0.27	0.00	0.27	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

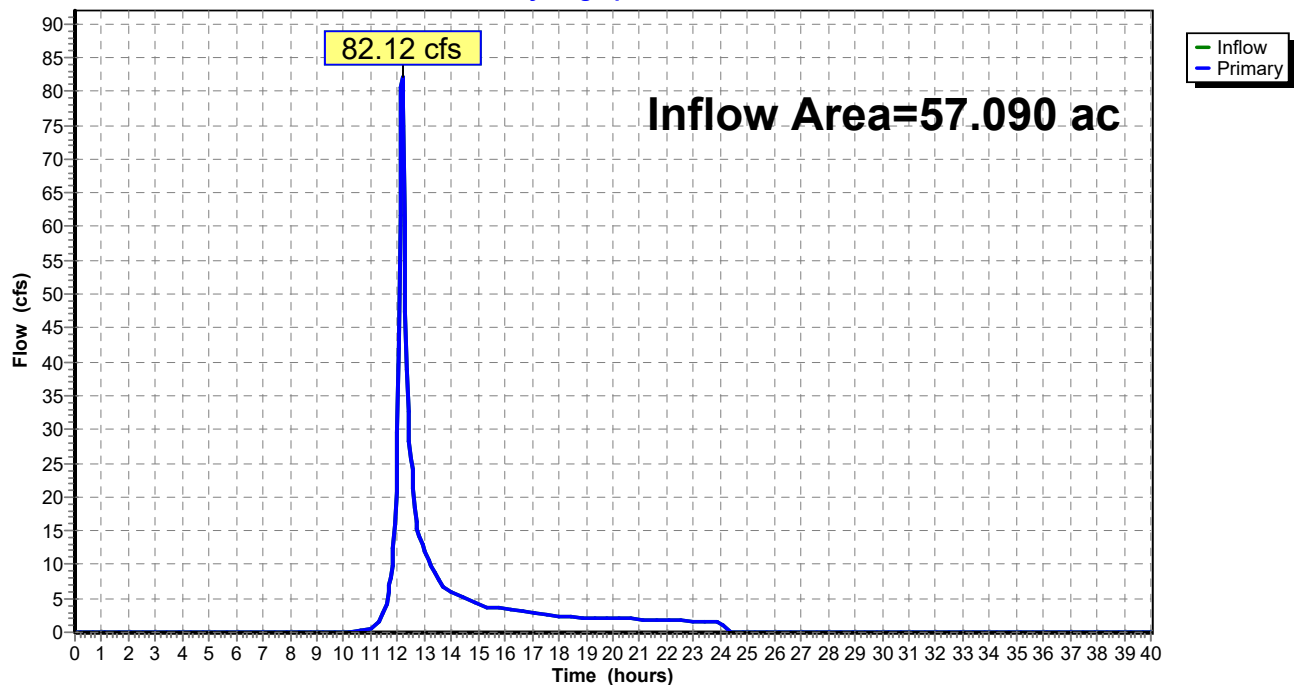
Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 1.29" for Future 2 yr event
Inflow = 82.12 cfs @ 12.17 hrs, Volume= 6.142 af
Primary = 82.12 cfs @ 12.17 hrs, Volume= 6.142 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.02	0.00	0.02
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.03	0.00	0.03
1.20	0.00	0.00	0.00	3.80	0.03	0.00	0.03
1.25	0.00	0.00	0.00	3.85	0.03	0.00	0.03
1.30	0.00	0.00	0.00	3.90	0.03	0.00	0.03
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.01	0.00	0.01	4.10	0.03	0.00	0.03
1.55	0.01	0.00	0.01	4.15	0.03	0.00	0.03
1.60	0.01	0.00	0.01	4.20	0.03	0.00	0.03
1.65	0.01	0.00	0.01	4.25	0.03	0.00	0.03
1.70	0.01	0.00	0.01	4.30	0.03	0.00	0.03
1.75	0.01	0.00	0.01	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.02	0.00	0.02	5.05	0.03	0.00	0.03
2.50	0.02	0.00	0.02	5.10	0.03	0.00	0.03
2.55	0.02	0.00	0.02	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.04	0.00	0.04	8.05	0.06	0.00	0.06
5.50	0.04	0.00	0.04	8.10	0.06	0.00	0.06
5.55	0.04	0.00	0.04	8.15	0.06	0.00	0.06
5.60	0.04	0.00	0.04	8.20	0.06	0.00	0.06
5.65	0.04	0.00	0.04	8.25	0.07	0.00	0.07
5.70	0.04	0.00	0.04	8.30	0.07	0.00	0.07
5.75	0.04	0.00	0.04	8.35	0.07	0.00	0.07
5.80	0.04	0.00	0.04	8.40	0.07	0.00	0.07
5.85	0.04	0.00	0.04	8.45	0.07	0.00	0.07
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.08	0.00	0.08
6.50	0.04	0.00	0.04	9.10	0.08	0.00	0.08
6.55	0.04	0.00	0.04	9.15	0.08	0.00	0.08
6.60	0.04	0.00	0.04	9.20	0.08	0.00	0.08
6.65	0.05	0.00	0.05	9.25	0.08	0.00	0.08
6.70	0.05	0.00	0.05	9.30	0.09	0.00	0.09
6.75	0.05	0.00	0.05	9.35	0.09	0.00	0.09
6.80	0.05	0.00	0.05	9.40	0.09	0.00	0.09
6.85	0.05	0.00	0.05	9.45	0.09	0.00	0.09
6.90	0.05	0.00	0.05	9.50	0.09	0.00	0.09
6.95	0.05	0.00	0.05	9.55	0.10	0.00	0.10
7.00	0.05	0.00	0.05	9.60	0.10	0.00	0.10
7.05	0.05	0.00	0.05	9.65	0.10	0.00	0.10
7.10	0.05	0.00	0.05	9.70	0.10	0.00	0.10
7.15	0.05	0.00	0.05	9.75	0.10	0.00	0.10
7.20	0.05	0.00	0.05	9.80	0.11	0.00	0.11
7.25	0.05	0.00	0.05	9.85	0.11	0.00	0.11
7.30	0.05	0.00	0.05	9.90	0.11	0.00	0.11
7.35	0.05	0.00	0.05	9.95	0.11	0.00	0.11
7.40	0.05	0.00	0.05	10.00	0.12	0.00	0.12
7.45	0.06	0.00	0.06	10.05	0.12	0.00	0.12
7.50	0.06	0.00	0.06	10.10	0.12	0.00	0.12
7.55	0.06	0.00	0.06	10.15	0.12	0.00	0.12
7.60	0.06	0.00	0.06	10.20	0.12	0.00	0.12
7.65	0.06	0.00	0.06	10.25	0.13	0.00	0.13
7.70	0.06	0.00	0.06	10.30	0.13	0.00	0.13
7.75	0.06	0.00	0.06	10.35	0.13	0.00	0.13

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.13	0.00	0.13	13.00	12.18	0.00	12.18
10.45	0.14	0.00	0.14	13.05	11.59	0.00	11.59
10.50	0.14	0.00	0.14	13.10	10.97	0.00	10.97
10.55	0.14	0.00	0.14	13.15	10.38	0.00	10.38
10.60	0.15	0.00	0.15	13.20	9.91	0.00	9.91
10.65	0.15	0.00	0.15	13.25	9.52	0.00	9.52
10.70	0.17	0.00	0.17	13.30	9.17	0.00	9.17
10.75	0.19	0.00	0.19	13.35	8.83	0.00	8.83
10.80	0.23	0.00	0.23	13.40	8.48	0.00	8.48
10.85	0.28	0.00	0.28	13.45	8.14	0.00	8.14
10.90	0.35	0.00	0.35	13.50	7.80	0.00	7.80
10.95	0.45	0.00	0.45	13.55	7.45	0.00	7.45
11.00	0.57	0.00	0.57	13.60	7.11	0.00	7.11
11.05	0.70	0.00	0.70	13.65	6.79	0.00	6.79
11.10	0.87	0.00	0.87	13.70	6.57	0.00	6.57
11.15	1.05	0.00	1.05	13.75	6.43	0.00	6.43
11.20	1.27	0.00	1.27	13.80	6.32	0.00	6.32
11.25	1.51	0.00	1.51	13.85	6.22	0.00	6.22
11.30	1.78	0.00	1.78	13.90	6.14	0.00	6.14
11.35	2.08	0.00	2.08	13.95	6.05	0.00	6.05
11.40	2.41	0.00	2.41	14.00	5.96	0.00	5.96
11.45	2.75	0.00	2.75	14.05	5.88	0.00	5.88
11.50	3.12	0.00	3.12	14.10	5.79	0.00	5.79
11.55	3.60	0.00	3.60	14.15	5.70	0.00	5.70
11.60	4.58	0.00	4.58	14.20	5.61	0.00	5.61
11.65	5.83	0.00	5.83	14.25	5.53	0.00	5.53
11.70	6.96	0.00	6.96	14.30	5.44	0.00	5.44
11.75	8.10	0.00	8.10	14.35	5.35	0.00	5.35
11.80	9.93	0.00	9.93	14.40	5.25	0.00	5.25
11.85	12.42	0.00	12.42	14.45	5.16	0.00	5.16
11.90	15.93	0.00	15.93	14.50	5.07	0.00	5.07
11.95	20.85	0.00	20.85	14.55	4.99	0.00	4.99
12.00	29.48	0.00	29.48	14.60	4.89	0.00	4.89
12.05	42.04	0.00	42.04	14.65	4.80	0.00	4.80
12.10	61.55	0.00	61.55	14.70	4.70	0.00	4.70
12.15	80.66	0.00	80.66	14.75	4.61	0.00	4.61
12.20	77.63	0.00	77.63	14.80	4.52	0.00	4.52
12.25	60.67	0.00	60.67	14.85	4.43	0.00	4.43
12.30	47.32	0.00	47.32	14.90	4.33	0.00	4.33
12.35	38.84	0.00	38.84	14.95	4.23	0.00	4.23
12.40	32.69	0.00	32.69	15.00	4.13	0.00	4.13
12.45	28.18	0.00	28.18	15.05	4.04	0.00	4.04
12.50	25.64	0.00	25.64	15.10	3.94	0.00	3.94
12.55	24.01	0.00	24.01	15.15	3.86	0.00	3.86
12.60	21.32	0.00	21.32	15.20	3.80	0.00	3.80
12.65	18.32	0.00	18.32	15.25	3.76	0.00	3.76
12.70	16.44	0.00	16.44	15.30	3.73	0.00	3.73
12.75	15.40	0.00	15.40	15.35	3.70	0.00	3.70
12.80	14.64	0.00	14.64	15.40	3.68	0.00	3.68
12.85	14.00	0.00	14.00	15.45	3.66	0.00	3.66
12.90	13.38	0.00	13.38	15.50	3.63	0.00	3.63
12.95	12.79	0.00	12.79	15.55	3.61	0.00	3.61

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.58	0.00	3.58	18.20	2.28	0.00	2.28
15.65	3.56	0.00	3.56	18.25	2.27	0.00	2.27
15.70	3.54	0.00	3.54	18.30	2.26	0.00	2.26
15.75	3.51	0.00	3.51	18.35	2.25	0.00	2.25
15.80	3.48	0.00	3.48	18.40	2.24	0.00	2.24
15.85	3.46	0.00	3.46	18.45	2.24	0.00	2.24
15.90	3.44	0.00	3.44	18.50	2.23	0.00	2.23
15.95	3.42	0.00	3.42	18.55	2.23	0.00	2.23
16.00	3.39	0.00	3.39	18.60	2.22	0.00	2.22
16.05	3.37	0.00	3.37	18.65	2.21	0.00	2.21
16.10	3.34	0.00	3.34	18.70	2.21	0.00	2.21
16.15	3.32	0.00	3.32	18.75	2.20	0.00	2.20
16.20	3.30	0.00	3.30	18.80	2.20	0.00	2.20
16.25	3.28	0.00	3.28	18.85	2.19	0.00	2.19
16.30	3.25	0.00	3.25	18.90	2.18	0.00	2.18
16.35	3.22	0.00	3.22	18.95	2.18	0.00	2.18
16.40	3.19	0.00	3.19	19.00	2.17	0.00	2.17
16.45	3.17	0.00	3.17	19.05	2.17	0.00	2.17
16.50	3.15	0.00	3.15	19.10	2.16	0.00	2.16
16.55	3.12	0.00	3.12	19.15	2.15	0.00	2.15
16.60	3.09	0.00	3.09	19.20	2.15	0.00	2.15
16.65	3.07	0.00	3.07	19.25	2.14	0.00	2.14
16.70	3.05	0.00	3.05	19.30	2.14	0.00	2.14
16.75	3.02	0.00	3.02	19.35	2.13	0.00	2.13
16.80	3.00	0.00	3.00	19.40	2.12	0.00	2.12
16.85	2.97	0.00	2.97	19.45	2.12	0.00	2.12
16.90	2.94	0.00	2.94	19.50	2.11	0.00	2.11
16.95	2.92	0.00	2.92	19.55	2.11	0.00	2.11
17.00	2.90	0.00	2.90	19.60	2.10	0.00	2.10
17.05	2.87	0.00	2.87	19.65	2.09	0.00	2.09
17.10	2.85	0.00	2.85	19.70	2.09	0.00	2.09
17.15	2.82	0.00	2.82	19.75	2.08	0.00	2.08
17.20	2.79	0.00	2.79	19.80	2.08	0.00	2.08
17.25	2.77	0.00	2.77	19.85	2.08	0.00	2.08
17.30	2.74	0.00	2.74	19.90	2.07	0.00	2.07
17.35	2.71	0.00	2.71	19.95	2.06	0.00	2.06
17.40	2.68	0.00	2.68	20.00	2.05	0.00	2.05
17.45	2.66	0.00	2.66	20.05	2.04	0.00	2.04
17.50	2.63	0.00	2.63	20.10	2.04	0.00	2.04
17.55	2.61	0.00	2.61	20.15	2.03	0.00	2.03
17.60	2.58	0.00	2.58	20.20	2.02	0.00	2.02
17.65	2.56	0.00	2.56	20.25	2.02	0.00	2.02
17.70	2.53	0.00	2.53	20.30	2.01	0.00	2.01
17.75	2.50	0.00	2.50	20.35	2.00	0.00	2.00
17.80	2.48	0.00	2.48	20.40	2.00	0.00	2.00
17.85	2.45	0.00	2.45	20.45	1.99	0.00	1.99
17.90	2.42	0.00	2.42	20.50	1.99	0.00	1.99
17.95	2.40	0.00	2.40	20.55	1.98	0.00	1.98
18.00	2.37	0.00	2.37	20.60	1.98	0.00	1.98
18.05	2.34	0.00	2.34	20.65	1.97	0.00	1.97
18.10	2.32	0.00	2.32	20.70	1.97	0.00	1.97
18.15	2.29	0.00	2.29	20.75	1.96	0.00	1.96

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.95	0.00	1.95	23.40	1.60	0.00	1.60
20.85	1.94	0.00	1.94	23.45	1.60	0.00	1.60
20.90	1.93	0.00	1.93	23.50	1.59	0.00	1.59
20.95	1.93	0.00	1.93	23.55	1.58	0.00	1.58
21.00	1.92	0.00	1.92	23.60	1.57	0.00	1.57
21.05	1.91	0.00	1.91	23.65	1.57	0.00	1.57
21.10	1.91	0.00	1.91	23.70	1.56	0.00	1.56
21.15	1.90	0.00	1.90	23.75	1.56	0.00	1.56
21.20	1.89	0.00	1.89	23.80	1.55	0.00	1.55
21.25	1.89	0.00	1.89	23.85	1.54	0.00	1.54
21.30	1.89	0.00	1.89	23.90	1.53	0.00	1.53
21.35	1.88	0.00	1.88	23.95	1.54	0.00	1.54
21.40	1.88	0.00	1.88	24.00	1.64	0.00	1.64
21.45	1.87	0.00	1.87	24.05	1.66	0.00	1.66
21.50	1.86	0.00	1.86	24.10	1.24	0.00	1.24
21.55	1.85	0.00	1.85	24.15	0.64	0.00	0.64
21.60	1.84	0.00	1.84	24.20	0.28	0.00	0.28
21.65	1.84	0.00	1.84	24.25	0.12	0.00	0.12
21.70	1.83	0.00	1.83	24.30	0.05	0.00	0.05
21.75	1.82	0.00	1.82	24.35	0.02	0.00	0.02
21.80	1.82	0.00	1.82	24.40	0.01	0.00	0.01
21.85	1.82	0.00	1.82	24.45	0.00	0.00	0.00
21.90	1.81	0.00	1.81	24.50	0.00	0.00	0.00
21.95	1.80	0.00	1.80	24.55	0.00	0.00	0.00
22.00	1.79	0.00	1.79	24.60	0.00	0.00	0.00
22.05	1.78	0.00	1.78	24.65	0.00	0.00	0.00
22.10	1.78	0.00	1.78	24.70	0.00	0.00	0.00
22.15	1.77	0.00	1.77	24.75	0.00	0.00	0.00
22.20	1.77	0.00	1.77	24.80	0.00	0.00	0.00
22.25	1.76	0.00	1.76	24.85	0.00	0.00	0.00
22.30	1.76	0.00	1.76	24.90	0.00	0.00	0.00
22.35	1.75	0.00	1.75	24.95	0.00	0.00	0.00
22.40	1.74	0.00	1.74	25.00	0.00	0.00	0.00
22.45	1.73	0.00	1.73	25.05	0.00	0.00	0.00
22.50	1.72	0.00	1.72	25.10	0.00	0.00	0.00
22.55	1.72	0.00	1.72	25.15	0.00	0.00	0.00
22.60	1.71	0.00	1.71	25.20	0.00	0.00	0.00
22.65	1.71	0.00	1.71	25.25	0.00	0.00	0.00
22.70	1.70	0.00	1.70	25.30	0.00	0.00	0.00
22.75	1.69	0.00	1.69	25.35	0.00	0.00	0.00
22.80	1.68	0.00	1.68	25.40	0.00	0.00	0.00
22.85	1.68	0.00	1.68	25.45	0.00	0.00	0.00
22.90	1.67	0.00	1.67	25.50	0.00	0.00	0.00
22.95	1.66	0.00	1.66	25.55	0.00	0.00	0.00
23.00	1.66	0.00	1.66	25.60	0.00	0.00	0.00
23.05	1.66	0.00	1.66	25.65	0.00	0.00	0.00
23.10	1.65	0.00	1.65	25.70	0.00	0.00	0.00
23.15	1.64	0.00	1.64	25.75	0.00	0.00	0.00
23.20	1.63	0.00	1.63	25.80	0.00	0.00	0.00
23.25	1.62	0.00	1.62	25.85	0.00	0.00	0.00
23.30	1.61	0.00	1.61	25.90	0.00	0.00	0.00
23.35	1.61	0.00	1.61	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

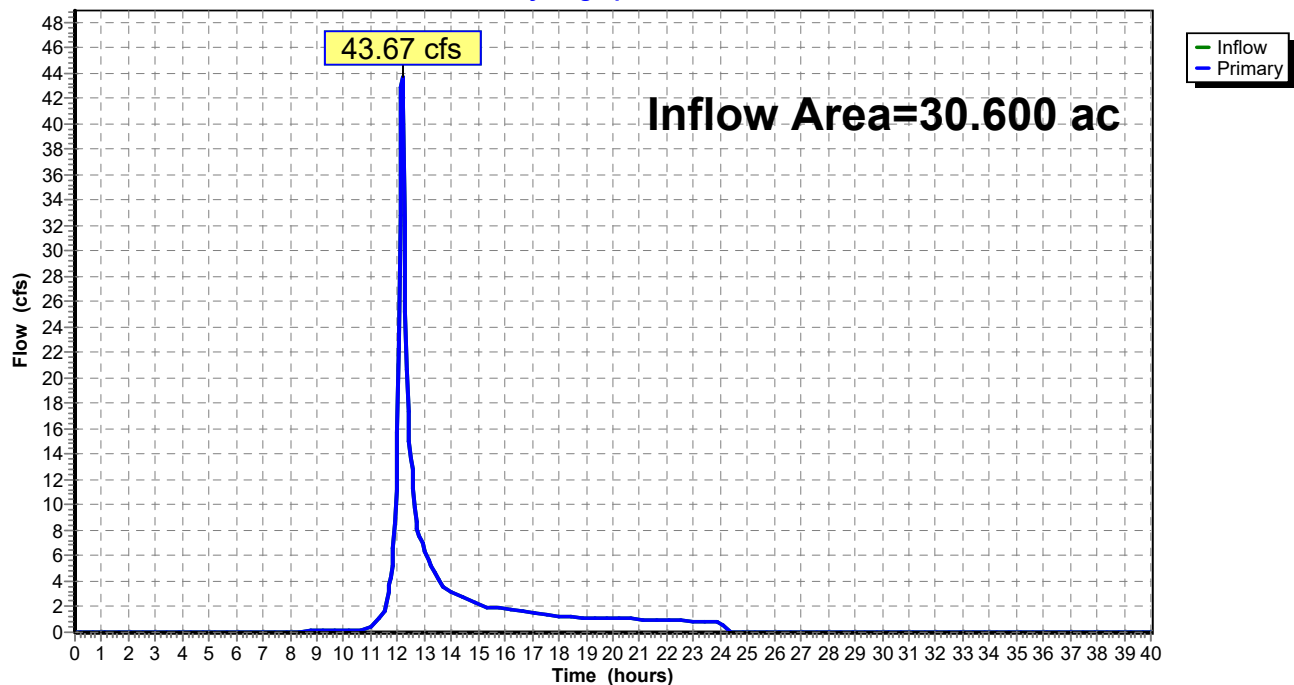
Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 1.29" for Future 2 yr event
Inflow = 43.67 cfs @ 12.17 hrs, Volume= 3.289 af
Primary = 43.67 cfs @ 12.17 hrs, Volume= 3.289 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60**Hydrograph**

Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.02	0.00	0.02
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.03	0.00	0.03
1.20	0.00	0.00	0.00	3.80	0.03	0.00	0.03
1.25	0.00	0.00	0.00	3.85	0.03	0.00	0.03
1.30	0.00	0.00	0.00	3.90	0.03	0.00	0.03
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.01	0.00	0.01	4.10	0.03	0.00	0.03
1.55	0.01	0.00	0.01	4.15	0.03	0.00	0.03
1.60	0.01	0.00	0.01	4.20	0.03	0.00	0.03
1.65	0.01	0.00	0.01	4.25	0.03	0.00	0.03
1.70	0.01	0.00	0.01	4.30	0.03	0.00	0.03
1.75	0.01	0.00	0.01	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.02	0.00	0.02	5.05	0.03	0.00	0.03
2.50	0.02	0.00	0.02	5.10	0.03	0.00	0.03
2.55	0.02	0.00	0.02	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.04	0.00	0.04	8.05	0.06	0.00	0.06
5.50	0.04	0.00	0.04	8.10	0.06	0.00	0.06
5.55	0.04	0.00	0.04	8.15	0.06	0.00	0.06
5.60	0.04	0.00	0.04	8.20	0.06	0.00	0.06
5.65	0.04	0.00	0.04	8.25	0.07	0.00	0.07
5.70	0.04	0.00	0.04	8.30	0.07	0.00	0.07
5.75	0.04	0.00	0.04	8.35	0.07	0.00	0.07
5.80	0.04	0.00	0.04	8.40	0.07	0.00	0.07
5.85	0.04	0.00	0.04	8.45	0.07	0.00	0.07
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.08	0.00	0.08
6.50	0.04	0.00	0.04	9.10	0.08	0.00	0.08
6.55	0.04	0.00	0.04	9.15	0.08	0.00	0.08
6.60	0.04	0.00	0.04	9.20	0.08	0.00	0.08
6.65	0.05	0.00	0.05	9.25	0.08	0.00	0.08
6.70	0.05	0.00	0.05	9.30	0.09	0.00	0.09
6.75	0.05	0.00	0.05	9.35	0.09	0.00	0.09
6.80	0.05	0.00	0.05	9.40	0.09	0.00	0.09
6.85	0.05	0.00	0.05	9.45	0.09	0.00	0.09
6.90	0.05	0.00	0.05	9.50	0.09	0.00	0.09
6.95	0.05	0.00	0.05	9.55	0.10	0.00	0.10
7.00	0.05	0.00	0.05	9.60	0.10	0.00	0.10
7.05	0.05	0.00	0.05	9.65	0.10	0.00	0.10
7.10	0.05	0.00	0.05	9.70	0.10	0.00	0.10
7.15	0.05	0.00	0.05	9.75	0.10	0.00	0.10
7.20	0.05	0.00	0.05	9.80	0.11	0.00	0.11
7.25	0.05	0.00	0.05	9.85	0.11	0.00	0.11
7.30	0.05	0.00	0.05	9.90	0.11	0.00	0.11
7.35	0.05	0.00	0.05	9.95	0.11	0.00	0.11
7.40	0.05	0.00	0.05	10.00	0.12	0.00	0.12
7.45	0.06	0.00	0.06	10.05	0.12	0.00	0.12
7.50	0.06	0.00	0.06	10.10	0.12	0.00	0.12
7.55	0.06	0.00	0.06	10.15	0.12	0.00	0.12
7.60	0.06	0.00	0.06	10.20	0.12	0.00	0.12
7.65	0.06	0.00	0.06	10.25	0.13	0.00	0.13
7.70	0.06	0.00	0.06	10.30	0.13	0.00	0.13
7.75	0.06	0.00	0.06	10.35	0.13	0.00	0.13

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.13	0.00	0.13	13.00	6.48	0.00	6.48
10.45	0.14	0.00	0.14	13.05	6.16	0.00	6.16
10.50	0.14	0.00	0.14	13.10	5.84	0.00	5.84
10.55	0.14	0.00	0.14	13.15	5.53	0.00	5.53
10.60	0.15	0.00	0.15	13.20	5.27	0.00	5.27
10.65	0.15	0.00	0.15	13.25	5.07	0.00	5.07
10.70	0.16	0.00	0.16	13.30	4.88	0.00	4.88
10.75	0.17	0.00	0.17	13.35	4.70	0.00	4.70
10.80	0.18	0.00	0.18	13.40	4.51	0.00	4.51
10.85	0.19	0.00	0.19	13.45	4.33	0.00	4.33
10.90	0.22	0.00	0.22	13.50	4.15	0.00	4.15
10.95	0.26	0.00	0.26	13.55	3.97	0.00	3.97
11.00	0.32	0.00	0.32	13.60	3.78	0.00	3.78
11.05	0.39	0.00	0.39	13.65	3.61	0.00	3.61
11.10	0.48	0.00	0.48	13.70	3.50	0.00	3.50
11.15	0.58	0.00	0.58	13.75	3.42	0.00	3.42
11.20	0.70	0.00	0.70	13.80	3.36	0.00	3.36
11.25	0.82	0.00	0.82	13.85	3.31	0.00	3.31
11.30	0.97	0.00	0.97	13.90	3.27	0.00	3.27
11.35	1.13	0.00	1.13	13.95	3.22	0.00	3.22
11.40	1.30	0.00	1.30	14.00	3.17	0.00	3.17
11.45	1.48	0.00	1.48	14.05	3.13	0.00	3.13
11.50	1.68	0.00	1.68	14.10	3.08	0.00	3.08
11.55	1.94	0.00	1.94	14.15	3.03	0.00	3.03
11.60	2.45	0.00	2.45	14.20	2.99	0.00	2.99
11.65	3.12	0.00	3.12	14.25	2.94	0.00	2.94
11.70	3.72	0.00	3.72	14.30	2.89	0.00	2.89
11.75	4.33	0.00	4.33	14.35	2.85	0.00	2.85
11.80	5.30	0.00	5.30	14.40	2.80	0.00	2.80
11.85	6.62	0.00	6.62	14.45	2.75	0.00	2.75
11.90	8.49	0.00	8.49	14.50	2.70	0.00	2.70
11.95	11.10	0.00	11.10	14.55	2.65	0.00	2.65
12.00	15.69	0.00	15.69	14.60	2.60	0.00	2.60
12.05	22.37	0.00	22.37	14.65	2.55	0.00	2.55
12.10	32.74	0.00	32.74	14.70	2.50	0.00	2.50
12.15	42.90	0.00	42.90	14.75	2.45	0.00	2.45
12.20	41.28	0.00	41.28	14.80	2.40	0.00	2.40
12.25	32.26	0.00	32.26	14.85	2.36	0.00	2.36
12.30	25.17	0.00	25.17	14.90	2.30	0.00	2.30
12.35	20.65	0.00	20.65	14.95	2.25	0.00	2.25
12.40	17.39	0.00	17.39	15.00	2.20	0.00	2.20
12.45	14.99	0.00	14.99	15.05	2.15	0.00	2.15
12.50	13.64	0.00	13.64	15.10	2.10	0.00	2.10
12.55	12.77	0.00	12.77	15.15	2.05	0.00	2.05
12.60	11.34	0.00	11.34	15.20	2.02	0.00	2.02
12.65	9.75	0.00	9.75	15.25	2.00	0.00	2.00
12.70	8.74	0.00	8.74	15.30	1.98	0.00	1.98
12.75	8.19	0.00	8.19	15.35	1.97	0.00	1.97
12.80	7.79	0.00	7.79	15.40	1.96	0.00	1.96
12.85	7.45	0.00	7.45	15.45	1.95	0.00	1.95
12.90	7.12	0.00	7.12	15.50	1.93	0.00	1.93
12.95	6.80	0.00	6.80	15.55	1.92	0.00	1.92

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.91	0.00	1.91	18.20	1.21	0.00	1.21
15.65	1.90	0.00	1.90	18.25	1.21	0.00	1.21
15.70	1.88	0.00	1.88	18.30	1.20	0.00	1.20
15.75	1.87	0.00	1.87	18.35	1.20	0.00	1.20
15.80	1.85	0.00	1.85	18.40	1.20	0.00	1.20
15.85	1.84	0.00	1.84	18.45	1.19	0.00	1.19
15.90	1.83	0.00	1.83	18.50	1.19	0.00	1.19
15.95	1.82	0.00	1.82	18.55	1.19	0.00	1.19
16.00	1.81	0.00	1.81	18.60	1.18	0.00	1.18
16.05	1.79	0.00	1.79	18.65	1.18	0.00	1.18
16.10	1.78	0.00	1.78	18.70	1.18	0.00	1.18
16.15	1.77	0.00	1.77	18.75	1.17	0.00	1.17
16.20	1.76	0.00	1.76	18.80	1.17	0.00	1.17
16.25	1.74	0.00	1.74	18.85	1.17	0.00	1.17
16.30	1.73	0.00	1.73	18.90	1.16	0.00	1.16
16.35	1.71	0.00	1.71	18.95	1.16	0.00	1.16
16.40	1.70	0.00	1.70	19.00	1.16	0.00	1.16
16.45	1.69	0.00	1.69	19.05	1.15	0.00	1.15
16.50	1.67	0.00	1.67	19.10	1.15	0.00	1.15
16.55	1.66	0.00	1.66	19.15	1.15	0.00	1.15
16.60	1.65	0.00	1.65	19.20	1.14	0.00	1.14
16.65	1.64	0.00	1.64	19.25	1.14	0.00	1.14
16.70	1.62	0.00	1.62	19.30	1.14	0.00	1.14
16.75	1.61	0.00	1.61	19.35	1.13	0.00	1.13
16.80	1.59	0.00	1.59	19.40	1.13	0.00	1.13
16.85	1.58	0.00	1.58	19.45	1.13	0.00	1.13
16.90	1.57	0.00	1.57	19.50	1.12	0.00	1.12
16.95	1.55	0.00	1.55	19.55	1.12	0.00	1.12
17.00	1.54	0.00	1.54	19.60	1.12	0.00	1.12
17.05	1.53	0.00	1.53	19.65	1.11	0.00	1.11
17.10	1.52	0.00	1.52	19.70	1.11	0.00	1.11
17.15	1.50	0.00	1.50	19.75	1.11	0.00	1.11
17.20	1.49	0.00	1.49	19.80	1.11	0.00	1.11
17.25	1.47	0.00	1.47	19.85	1.11	0.00	1.11
17.30	1.46	0.00	1.46	19.90	1.10	0.00	1.10
17.35	1.44	0.00	1.44	19.95	1.10	0.00	1.10
17.40	1.43	0.00	1.43	20.00	1.09	0.00	1.09
17.45	1.42	0.00	1.42	20.05	1.09	0.00	1.09
17.50	1.40	0.00	1.40	20.10	1.08	0.00	1.08
17.55	1.39	0.00	1.39	20.15	1.08	0.00	1.08
17.60	1.38	0.00	1.38	20.20	1.08	0.00	1.08
17.65	1.36	0.00	1.36	20.25	1.07	0.00	1.07
17.70	1.35	0.00	1.35	20.30	1.07	0.00	1.07
17.75	1.33	0.00	1.33	20.35	1.07	0.00	1.07
17.80	1.32	0.00	1.32	20.40	1.06	0.00	1.06
17.85	1.31	0.00	1.31	20.45	1.06	0.00	1.06
17.90	1.29	0.00	1.29	20.50	1.06	0.00	1.06
17.95	1.28	0.00	1.28	20.55	1.05	0.00	1.05
18.00	1.26	0.00	1.26	20.60	1.05	0.00	1.05
18.05	1.25	0.00	1.25	20.65	1.05	0.00	1.05
18.10	1.23	0.00	1.23	20.70	1.05	0.00	1.05
18.15	1.22	0.00	1.22	20.75	1.04	0.00	1.04

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.04	0.00	1.04	23.40	0.85	0.00	0.85
20.85	1.03	0.00	1.03	23.45	0.85	0.00	0.85
20.90	1.03	0.00	1.03	23.50	0.85	0.00	0.85
20.95	1.03	0.00	1.03	23.55	0.84	0.00	0.84
21.00	1.02	0.00	1.02	23.60	0.84	0.00	0.84
21.05	1.02	0.00	1.02	23.65	0.83	0.00	0.83
21.10	1.02	0.00	1.02	23.70	0.83	0.00	0.83
21.15	1.01	0.00	1.01	23.75	0.83	0.00	0.83
21.20	1.01	0.00	1.01	23.80	0.83	0.00	0.83
21.25	1.01	0.00	1.01	23.85	0.82	0.00	0.82
21.30	1.00	0.00	1.00	23.90	0.82	0.00	0.82
21.35	1.00	0.00	1.00	23.95	0.82	0.00	0.82
21.40	1.00	0.00	1.00	24.00	0.87	0.00	0.87
21.45	0.99	0.00	0.99	24.05	0.89	0.00	0.89
21.50	0.99	0.00	0.99	24.10	0.66	0.00	0.66
21.55	0.99	0.00	0.99	24.15	0.34	0.00	0.34
21.60	0.98	0.00	0.98	24.20	0.15	0.00	0.15
21.65	0.98	0.00	0.98	24.25	0.06	0.00	0.06
21.70	0.97	0.00	0.97	24.30	0.03	0.00	0.03
21.75	0.97	0.00	0.97	24.35	0.01	0.00	0.01
21.80	0.97	0.00	0.97	24.40	0.00	0.00	0.00
21.85	0.97	0.00	0.97	24.45	0.00	0.00	0.00
21.90	0.96	0.00	0.96	24.50	0.00	0.00	0.00
21.95	0.96	0.00	0.96	24.55	0.00	0.00	0.00
22.00	0.95	0.00	0.95	24.60	0.00	0.00	0.00
22.05	0.95	0.00	0.95	24.65	0.00	0.00	0.00
22.10	0.95	0.00	0.95	24.70	0.00	0.00	0.00
22.15	0.94	0.00	0.94	24.75	0.00	0.00	0.00
22.20	0.94	0.00	0.94	24.80	0.00	0.00	0.00
22.25	0.94	0.00	0.94	24.85	0.00	0.00	0.00
22.30	0.94	0.00	0.94	24.90	0.00	0.00	0.00
22.35	0.93	0.00	0.93	24.95	0.00	0.00	0.00
22.40	0.93	0.00	0.93	25.00	0.00	0.00	0.00
22.45	0.92	0.00	0.92	25.05	0.00	0.00	0.00
22.50	0.92	0.00	0.92	25.10	0.00	0.00	0.00
22.55	0.91	0.00	0.91	25.15	0.00	0.00	0.00
22.60	0.91	0.00	0.91	25.20	0.00	0.00	0.00
22.65	0.91	0.00	0.91	25.25	0.00	0.00	0.00
22.70	0.91	0.00	0.91	25.30	0.00	0.00	0.00
22.75	0.90	0.00	0.90	25.35	0.00	0.00	0.00
22.80	0.90	0.00	0.90	25.40	0.00	0.00	0.00
22.85	0.89	0.00	0.89	25.45	0.00	0.00	0.00
22.90	0.89	0.00	0.89	25.50	0.00	0.00	0.00
22.95	0.89	0.00	0.89	25.55	0.00	0.00	0.00
23.00	0.88	0.00	0.88	25.60	0.00	0.00	0.00
23.05	0.88	0.00	0.88	25.65	0.00	0.00	0.00
23.10	0.88	0.00	0.88	25.70	0.00	0.00	0.00
23.15	0.87	0.00	0.87	25.75	0.00	0.00	0.00
23.20	0.87	0.00	0.87	25.80	0.00	0.00	0.00
23.25	0.86	0.00	0.86	25.85	0.00	0.00	0.00
23.30	0.86	0.00	0.86	25.90	0.00	0.00	0.00
23.35	0.86	0.00	0.86	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 25.63 cfs @ 12.16 hrs, Volume= 1.995 af, Depth= 4.88"
Routed to Link XDA-1O : XDA-1O

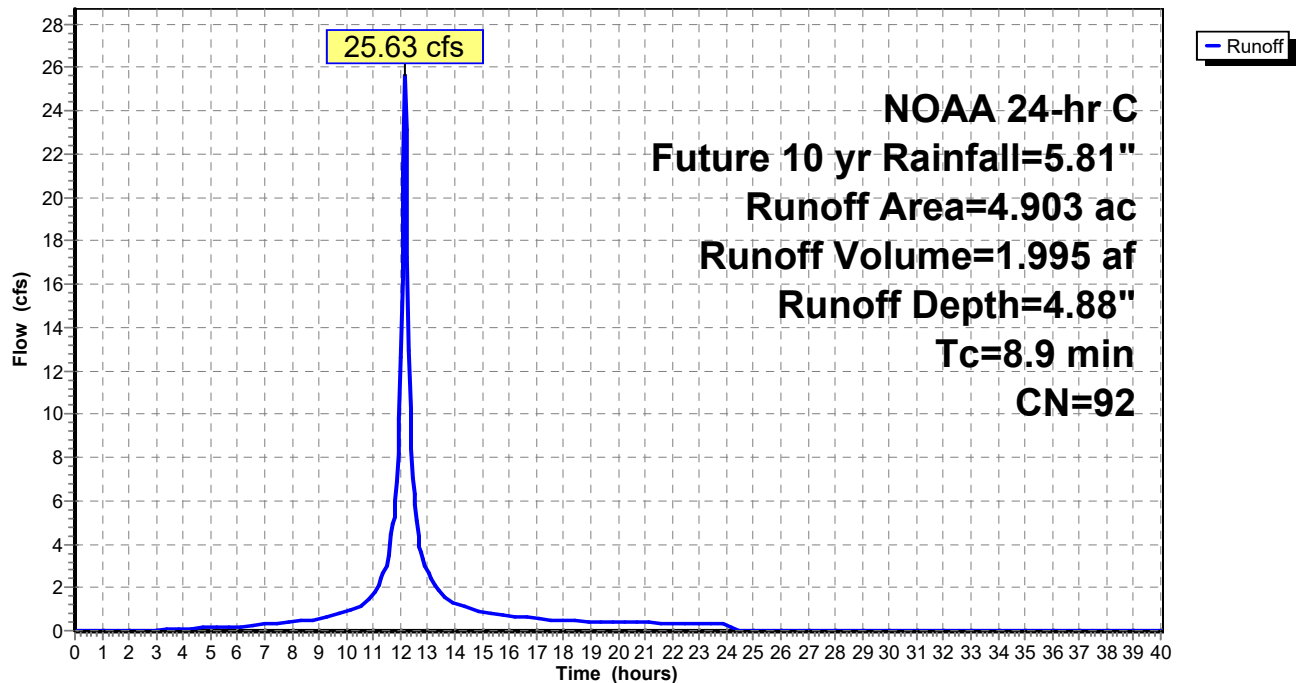
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.01
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.01
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.01
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.01
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.02
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.02
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.02
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.04
0.90	0.06	0.00	0.00	3.50	0.24	0.01	0.05
0.95	0.06	0.00	0.00	3.55	0.25	0.01	0.05
1.00	0.06	0.00	0.00	3.60	0.25	0.01	0.05
1.05	0.07	0.00	0.00	3.65	0.26	0.01	0.06
1.10	0.07	0.00	0.00	3.70	0.26	0.01	0.06
1.15	0.07	0.00	0.00	3.75	0.26	0.01	0.06
1.20	0.08	0.00	0.00	3.80	0.27	0.01	0.07
1.25	0.08	0.00	0.00	3.85	0.27	0.01	0.07
1.30	0.08	0.00	0.00	3.90	0.28	0.01	0.07
1.35	0.09	0.00	0.00	3.95	0.28	0.01	0.08
1.40	0.09	0.00	0.00	4.00	0.28	0.01	0.08
1.45	0.09	0.00	0.00	4.05	0.29	0.01	0.08
1.50	0.10	0.00	0.00	4.10	0.29	0.01	0.08
1.55	0.10	0.00	0.00	4.15	0.30	0.02	0.09
1.60	0.10	0.00	0.00	4.20	0.30	0.02	0.09
1.65	0.11	0.00	0.00	4.25	0.31	0.02	0.09
1.70	0.11	0.00	0.00	4.30	0.31	0.02	0.10
1.75	0.11	0.00	0.00	4.35	0.31	0.02	0.10
1.80	0.12	0.00	0.00	4.40	0.32	0.02	0.10
1.85	0.12	0.00	0.00	4.45	0.32	0.02	0.11
1.90	0.12	0.00	0.00	4.50	0.33	0.02	0.11
1.95	0.13	0.00	0.00	4.55	0.33	0.02	0.11
2.00	0.13	0.00	0.00	4.60	0.33	0.03	0.11
2.05	0.13	0.00	0.00	4.65	0.34	0.03	0.12
2.10	0.14	0.00	0.00	4.70	0.34	0.03	0.12
2.15	0.14	0.00	0.00	4.75	0.35	0.03	0.12
2.20	0.15	0.00	0.00	4.80	0.35	0.03	0.13
2.25	0.15	0.00	0.00	4.85	0.36	0.03	0.13
2.30	0.15	0.00	0.00	4.90	0.36	0.03	0.13
2.35	0.16	0.00	0.00	4.95	0.37	0.03	0.13
2.40	0.16	0.00	0.00	5.00	0.37	0.04	0.14
2.45	0.16	0.00	0.00	5.05	0.37	0.04	0.14
2.50	0.17	0.00	0.00	5.10	0.38	0.04	0.14
2.55	0.17	0.00	0.00	5.15	0.38	0.04	0.15

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.04	0.15	7.80	0.67	0.18	0.38
5.25	0.39	0.04	0.15	7.85	0.68	0.18	0.39
5.30	0.40	0.05	0.15	7.90	0.68	0.19	0.40
5.35	0.40	0.05	0.16	7.95	0.69	0.19	0.40
5.40	0.41	0.05	0.16	8.00	0.70	0.20	0.41
5.45	0.41	0.05	0.16	8.05	0.70	0.20	0.41
5.50	0.41	0.05	0.17	8.10	0.71	0.20	0.42
5.55	0.42	0.05	0.17	8.15	0.72	0.21	0.43
5.60	0.42	0.06	0.17	8.20	0.72	0.21	0.43
5.65	0.43	0.06	0.17	8.25	0.73	0.22	0.44
5.70	0.43	0.06	0.18	8.30	0.74	0.22	0.45
5.75	0.44	0.06	0.18	8.35	0.75	0.23	0.45
5.80	0.44	0.06	0.18	8.40	0.75	0.23	0.46
5.85	0.45	0.07	0.19	8.45	0.76	0.24	0.46
5.90	0.45	0.07	0.19	8.50	0.77	0.24	0.47
5.95	0.46	0.07	0.19	8.55	0.78	0.25	0.48
6.00	0.46	0.07	0.19	8.60	0.78	0.25	0.48
6.05	0.47	0.07	0.20	8.65	0.79	0.26	0.49
6.10	0.47	0.08	0.20	8.70	0.80	0.26	0.50
6.15	0.47	0.08	0.20	8.75	0.81	0.27	0.50
6.20	0.48	0.08	0.21	8.80	0.82	0.27	0.51
6.25	0.48	0.08	0.21	8.85	0.82	0.28	0.52
6.30	0.49	0.08	0.22	8.90	0.83	0.28	0.52
6.35	0.50	0.09	0.22	8.95	0.84	0.29	0.53
6.40	0.50	0.09	0.23	9.00	0.85	0.29	0.54
6.45	0.51	0.09	0.23	9.05	0.86	0.30	0.54
6.50	0.51	0.09	0.24	9.10	0.87	0.31	0.56
6.55	0.52	0.10	0.24	9.15	0.87	0.31	0.57
6.60	0.52	0.10	0.25	9.20	0.88	0.32	0.59
6.65	0.53	0.10	0.25	9.25	0.89	0.33	0.60
6.70	0.53	0.10	0.26	9.30	0.90	0.33	0.62
6.75	0.54	0.11	0.26	9.35	0.91	0.34	0.64
6.80	0.54	0.11	0.27	9.40	0.92	0.35	0.66
6.85	0.55	0.11	0.27	9.45	0.93	0.35	0.68
6.90	0.56	0.12	0.28	9.50	0.94	0.36	0.70
6.95	0.56	0.12	0.29	9.55	0.95	0.37	0.71
7.00	0.57	0.12	0.29	9.60	0.96	0.38	0.73
7.05	0.57	0.13	0.30	9.65	0.98	0.38	0.75
7.10	0.58	0.13	0.30	9.70	0.99	0.39	0.77
7.15	0.58	0.13	0.31	9.75	1.00	0.40	0.79
7.20	0.59	0.14	0.31	9.80	1.01	0.41	0.81
7.25	0.60	0.14	0.32	9.85	1.02	0.42	0.83
7.30	0.60	0.14	0.32	9.90	1.03	0.43	0.85
7.35	0.61	0.15	0.33	9.95	1.05	0.44	0.87
7.40	0.62	0.15	0.34	10.00	1.06	0.45	0.89
7.45	0.62	0.15	0.34	10.05	1.07	0.46	0.91
7.50	0.63	0.16	0.35	10.10	1.09	0.47	0.93
7.55	0.64	0.16	0.35	10.15	1.10	0.48	0.95
7.60	0.64	0.16	0.36	10.20	1.11	0.49	0.98
7.65	0.65	0.17	0.36	10.25	1.13	0.50	1.00
7.70	0.65	0.17	0.37	10.30	1.14	0.51	1.02
7.75	0.66	0.18	0.38	10.35	1.15	0.52	1.04

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.53	1.06	13.00	4.42	3.52	2.77
10.45	1.18	0.54	1.08	13.05	4.44	3.54	2.62
10.50	1.20	0.55	1.10	13.10	4.46	3.56	2.47
10.55	1.21	0.57	1.13	13.15	4.48	3.59	2.33
10.60	1.23	0.58	1.18	13.20	4.50	3.61	2.22
10.65	1.25	0.59	1.24	13.25	4.52	3.63	2.12
10.70	1.27	0.61	1.30	13.30	4.54	3.64	2.04
10.75	1.29	0.62	1.37	13.35	4.56	3.66	1.95
10.80	1.31	0.64	1.44	13.40	4.58	3.68	1.87
10.85	1.33	0.66	1.52	13.45	4.60	3.70	1.79
10.90	1.35	0.67	1.59	13.50	4.61	3.71	1.71
10.95	1.37	0.69	1.67	13.55	4.63	3.73	1.63
11.00	1.39	0.71	1.74	13.60	4.64	3.74	1.55
11.05	1.42	0.73	1.82	13.65	4.66	3.75	1.48
11.10	1.45	0.76	1.93	13.70	4.67	3.77	1.43
11.15	1.48	0.78	2.05	13.75	4.68	3.78	1.40
11.20	1.51	0.81	2.19	13.80	4.70	3.79	1.37
11.25	1.54	0.83	2.33	13.85	4.71	3.81	1.35
11.30	1.57	0.86	2.47	13.90	4.72	3.82	1.32
11.35	1.61	0.89	2.61	13.95	4.74	3.83	1.30
11.40	1.64	0.92	2.76	14.00	4.75	3.85	1.28
11.45	1.68	0.95	2.90	14.05	4.76	3.86	1.26
11.50	1.72	0.99	3.03	14.10	4.78	3.87	1.24
11.55	1.78	1.04	3.23	14.15	4.79	3.88	1.22
11.60	1.83	1.09	3.77	14.20	4.80	3.89	1.20
11.65	1.90	1.14	4.44	14.25	4.81	3.91	1.18
11.70	1.96	1.20	4.91	14.30	4.82	3.92	1.16
11.75	2.04	1.28	5.29	14.35	4.83	3.93	1.14
11.80	2.13	1.35	5.98	14.40	4.85	3.94	1.12
11.85	2.25	1.46	6.91	14.45	4.86	3.95	1.09
11.90	2.36	1.57	8.16	14.50	4.87	3.96	1.07
11.95	2.57	1.75	9.79	14.55	4.88	3.97	1.05
12.00	2.77	1.94	12.58	14.60	4.89	3.98	1.03
12.05	3.11	2.26	16.26	14.65	4.90	3.99	1.01
12.10	3.45	2.59	21.37	14.70	4.91	4.00	0.99
12.15	3.56	2.70	25.57	14.75	4.92	4.01	0.97
12.20	3.68	2.81	23.14	14.80	4.93	4.02	0.95
12.25	3.77	2.89	17.26	14.85	4.94	4.03	0.93
12.30	3.85	2.97	12.92	14.90	4.94	4.03	0.91
12.35	3.91	3.03	10.24	14.95	4.95	4.04	0.89
12.40	3.98	3.09	8.38	15.00	4.96	4.05	0.86
12.45	4.03	3.15	7.07	15.05	4.97	4.06	0.84
12.50	4.09	3.21	6.31	15.10	4.98	4.07	0.82
12.55	4.13	3.24	5.82	15.15	4.99	4.08	0.80
12.60	4.17	3.28	5.11	15.20	4.99	4.08	0.79
12.65	4.20	3.32	4.35	15.25	5.00	4.09	0.78
12.70	4.24	3.35	3.87	15.30	5.01	4.10	0.77
12.75	4.27	3.38	3.60	15.35	5.02	4.11	0.77
12.80	4.30	3.41	3.40	15.40	5.03	4.11	0.76
12.85	4.33	3.44	3.23	15.45	5.03	4.12	0.76
12.90	4.36	3.47	3.07	15.50	5.04	4.13	0.75
12.95	4.39	3.49	2.92	15.55	5.05	4.14	0.75

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.14	0.74	18.20	5.37	4.45	0.45
15.65	5.06	4.15	0.74	18.25	5.37	4.45	0.45
15.70	5.07	4.16	0.73	18.30	5.38	4.46	0.45
15.75	5.08	4.17	0.72	18.35	5.38	4.46	0.45
15.80	5.09	4.17	0.72	18.40	5.39	4.47	0.45
15.85	5.09	4.18	0.71	18.45	5.39	4.47	0.45
15.90	5.10	4.19	0.71	18.50	5.40	4.48	0.44
15.95	5.11	4.19	0.70	18.55	5.40	4.48	0.44
16.00	5.11	4.20	0.70	18.60	5.40	4.49	0.44
16.05	5.12	4.21	0.69	18.65	5.41	4.49	0.44
16.10	5.13	4.21	0.68	18.70	5.41	4.49	0.44
16.15	5.13	4.22	0.68	18.75	5.42	4.50	0.44
16.20	5.14	4.23	0.67	18.80	5.42	4.50	0.44
16.25	5.15	4.23	0.67	18.85	5.43	4.51	0.43
16.30	5.16	4.24	0.66	18.90	5.43	4.51	0.43
16.35	5.16	4.25	0.66	18.95	5.44	4.52	0.43
16.40	5.17	4.25	0.65	19.00	5.44	4.52	0.43
16.45	5.17	4.26	0.65	19.05	5.44	4.52	0.43
16.50	5.18	4.27	0.64	19.10	5.45	4.53	0.43
16.55	5.19	4.27	0.63	19.15	5.45	4.53	0.43
16.60	5.19	4.28	0.63	19.20	5.46	4.54	0.42
16.65	5.20	4.29	0.62	19.25	5.46	4.54	0.42
16.70	5.21	4.29	0.62	19.30	5.47	4.55	0.42
16.75	5.21	4.30	0.61	19.35	5.47	4.55	0.42
16.80	5.22	4.30	0.61	19.40	5.48	4.55	0.42
16.85	5.23	4.31	0.60	19.45	5.48	4.56	0.42
16.90	5.23	4.32	0.60	19.50	5.48	4.56	0.42
16.95	5.24	4.32	0.59	19.55	5.49	4.57	0.41
17.00	5.24	4.33	0.59	19.60	5.49	4.57	0.41
17.05	5.25	4.33	0.58	19.65	5.50	4.58	0.41
17.10	5.25	4.34	0.57	19.70	5.50	4.58	0.41
17.15	5.26	4.34	0.57	19.75	5.50	4.58	0.41
17.20	5.27	4.35	0.56	19.80	5.51	4.59	0.41
17.25	5.27	4.36	0.56	19.85	5.51	4.59	0.41
17.30	5.28	4.36	0.55	19.90	5.52	4.60	0.41
17.35	5.28	4.37	0.55	19.95	5.52	4.60	0.40
17.40	5.29	4.37	0.54	20.00	5.53	4.60	0.40
17.45	5.29	4.38	0.53	20.05	5.53	4.61	0.40
17.50	5.30	4.38	0.53	20.10	5.53	4.61	0.40
17.55	5.30	4.39	0.52	20.15	5.54	4.62	0.40
17.60	5.31	4.39	0.52	20.20	5.54	4.62	0.40
17.65	5.31	4.40	0.51	20.25	5.55	4.62	0.40
17.70	5.32	4.40	0.51	20.30	5.55	4.63	0.39
17.75	5.33	4.41	0.50	20.35	5.55	4.63	0.39
17.80	5.33	4.41	0.50	20.40	5.56	4.64	0.39
17.85	5.34	4.42	0.49	20.45	5.56	4.64	0.39
17.90	5.34	4.42	0.49	20.50	5.57	4.64	0.39
17.95	5.34	4.43	0.48	20.55	5.57	4.65	0.39
18.00	5.35	4.43	0.47	20.60	5.57	4.65	0.39
18.05	5.35	4.44	0.47	20.65	5.58	4.65	0.39
18.10	5.36	4.44	0.46	20.70	5.58	4.66	0.38
18.15	5.36	4.44	0.46	20.75	5.59	4.66	0.38

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	4.67	0.38	23.40	5.77	4.85	0.31
20.85	5.59	4.67	0.38	23.45	5.78	4.85	0.31
20.90	5.60	4.67	0.38	23.50	5.78	4.85	0.31
20.95	5.60	4.68	0.38	23.55	5.78	4.85	0.30
21.00	5.61	4.68	0.37	23.60	5.78	4.86	0.30
21.05	5.61	4.69	0.37	23.65	5.79	4.86	0.30
21.10	5.61	4.69	0.37	23.70	5.79	4.86	0.30
21.15	5.62	4.69	0.37	23.75	5.79	4.87	0.30
21.20	5.62	4.70	0.37	23.80	5.80	4.87	0.30
21.25	5.62	4.70	0.37	23.85	5.80	4.87	0.30
21.30	5.63	4.70	0.37	23.90	5.80	4.88	0.29
21.35	5.63	4.71	0.37	23.95	5.81	4.88	0.30
21.40	5.64	4.71	0.36	24.00	5.81	4.88	0.31
21.45	5.64	4.71	0.36	24.05	5.81	4.88	0.32
21.50	5.64	4.72	0.36	24.10	5.81	4.88	0.24
21.55	5.65	4.72	0.36	24.15	5.81	4.88	0.12
21.60	5.65	4.73	0.36	24.20	5.81	4.88	0.05
21.65	5.65	4.73	0.36	24.25	5.81	4.88	0.02
21.70	5.66	4.73	0.35	24.30	5.81	4.88	0.01
21.75	5.66	4.74	0.35	24.35	5.81	4.88	0.00
21.80	5.66	4.74	0.35	24.40	5.81	4.88	0.00
21.85	5.67	4.74	0.35	24.45	5.81	4.88	0.00
21.90	5.67	4.75	0.35	24.50	5.81	4.88	0.00
21.95	5.68	4.75	0.35	24.55	5.81	4.88	0.00
22.00	5.68	4.75	0.35	24.60	5.81	4.88	0.00
22.05	5.68	4.76	0.35	24.65	5.81	4.88	0.00
22.10	5.69	4.76	0.34	24.70	5.81	4.88	0.00
22.15	5.69	4.76	0.34	24.75	5.81	4.88	0.00
22.20	5.69	4.77	0.34	24.80	5.81	4.88	0.00
22.25	5.70	4.77	0.34	24.85	5.81	4.88	0.00
22.30	5.70	4.77	0.34	24.90	5.81	4.88	0.00
22.35	5.70	4.78	0.34	24.95	5.81	4.88	0.00
22.40	5.71	4.78	0.34	25.00	5.81	4.88	0.00
22.45	5.71	4.78	0.33	25.05	5.81	4.88	0.00
22.50	5.71	4.79	0.33	25.10	5.81	4.88	0.00
22.55	5.72	4.79	0.33	25.15	5.81	4.88	0.00
22.60	5.72	4.79	0.33	25.20	5.81	4.88	0.00
22.65	5.72	4.80	0.33	25.25	5.81	4.88	0.00
22.70	5.73	4.80	0.33	25.30	5.81	4.88	0.00
22.75	5.73	4.80	0.33	25.35	5.81	4.88	0.00
22.80	5.73	4.81	0.32	25.40	5.81	4.88	0.00
22.85	5.74	4.81	0.32	25.45	5.81	4.88	0.00
22.90	5.74	4.81	0.32	25.50	5.81	4.88	0.00
22.95	5.74	4.82	0.32	25.55	5.81	4.88	0.00
23.00	5.75	4.82	0.32	25.60	5.81	4.88	0.00
23.05	5.75	4.82	0.32	25.65	5.81	4.88	0.00
23.10	5.75	4.83	0.32	25.70	5.81	4.88	0.00
23.15	5.76	4.83	0.31	25.75	5.81	4.88	0.00
23.20	5.76	4.83	0.31	25.80	5.81	4.88	0.00
23.25	5.76	4.84	0.31	25.85	5.81	4.88	0.00
23.30	5.77	4.84	0.31	25.90	5.81	4.88	0.00
23.35	5.77	4.84	0.31	25.95	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	4.88	0.00	28.60	5.81	4.88	0.00
26.05	5.81	4.88	0.00	28.65	5.81	4.88	0.00
26.10	5.81	4.88	0.00	28.70	5.81	4.88	0.00
26.15	5.81	4.88	0.00	28.75	5.81	4.88	0.00
26.20	5.81	4.88	0.00	28.80	5.81	4.88	0.00
26.25	5.81	4.88	0.00	28.85	5.81	4.88	0.00
26.30	5.81	4.88	0.00	28.90	5.81	4.88	0.00
26.35	5.81	4.88	0.00	28.95	5.81	4.88	0.00
26.40	5.81	4.88	0.00	29.00	5.81	4.88	0.00
26.45	5.81	4.88	0.00	29.05	5.81	4.88	0.00
26.50	5.81	4.88	0.00	29.10	5.81	4.88	0.00
26.55	5.81	4.88	0.00	29.15	5.81	4.88	0.00
26.60	5.81	4.88	0.00	29.20	5.81	4.88	0.00
26.65	5.81	4.88	0.00	29.25	5.81	4.88	0.00
26.70	5.81	4.88	0.00	29.30	5.81	4.88	0.00
26.75	5.81	4.88	0.00	29.35	5.81	4.88	0.00
26.80	5.81	4.88	0.00	29.40	5.81	4.88	0.00
26.85	5.81	4.88	0.00	29.45	5.81	4.88	0.00
26.90	5.81	4.88	0.00	29.50	5.81	4.88	0.00
26.95	5.81	4.88	0.00	29.55	5.81	4.88	0.00
27.00	5.81	4.88	0.00	29.60	5.81	4.88	0.00
27.05	5.81	4.88	0.00	29.65	5.81	4.88	0.00
27.10	5.81	4.88	0.00	29.70	5.81	4.88	0.00
27.15	5.81	4.88	0.00	29.75	5.81	4.88	0.00
27.20	5.81	4.88	0.00	29.80	5.81	4.88	0.00
27.25	5.81	4.88	0.00	29.85	5.81	4.88	0.00
27.30	5.81	4.88	0.00	29.90	5.81	4.88	0.00
27.35	5.81	4.88	0.00	29.95	5.81	4.88	0.00
27.40	5.81	4.88	0.00	30.00	5.81	4.88	0.00
27.45	5.81	4.88	0.00	30.05	5.81	4.88	0.00
27.50	5.81	4.88	0.00	30.10	5.81	4.88	0.00
27.55	5.81	4.88	0.00	30.15	5.81	4.88	0.00
27.60	5.81	4.88	0.00	30.20	5.81	4.88	0.00
27.65	5.81	4.88	0.00	30.25	5.81	4.88	0.00
27.70	5.81	4.88	0.00	30.30	5.81	4.88	0.00
27.75	5.81	4.88	0.00	30.35	5.81	4.88	0.00
27.80	5.81	4.88	0.00	30.40	5.81	4.88	0.00
27.85	5.81	4.88	0.00	30.45	5.81	4.88	0.00
27.90	5.81	4.88	0.00	30.50	5.81	4.88	0.00
27.95	5.81	4.88	0.00	30.55	5.81	4.88	0.00
28.00	5.81	4.88	0.00	30.60	5.81	4.88	0.00
28.05	5.81	4.88	0.00	30.65	5.81	4.88	0.00
28.10	5.81	4.88	0.00	30.70	5.81	4.88	0.00
28.15	5.81	4.88	0.00	30.75	5.81	4.88	0.00
28.20	5.81	4.88	0.00	30.80	5.81	4.88	0.00
28.25	5.81	4.88	0.00	30.85	5.81	4.88	0.00
28.30	5.81	4.88	0.00	30.90	5.81	4.88	0.00
28.35	5.81	4.88	0.00	30.95	5.81	4.88	0.00
28.40	5.81	4.88	0.00	31.00	5.81	4.88	0.00
28.45	5.81	4.88	0.00	31.05	5.81	4.88	0.00
28.50	5.81	4.88	0.00	31.10	5.81	4.88	0.00
28.55	5.81	4.88	0.00	31.15	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	4.88	0.00	33.80	5.81	4.88	0.00
31.25	5.81	4.88	0.00	33.85	5.81	4.88	0.00
31.30	5.81	4.88	0.00	33.90	5.81	4.88	0.00
31.35	5.81	4.88	0.00	33.95	5.81	4.88	0.00
31.40	5.81	4.88	0.00	34.00	5.81	4.88	0.00
31.45	5.81	4.88	0.00	34.05	5.81	4.88	0.00
31.50	5.81	4.88	0.00	34.10	5.81	4.88	0.00
31.55	5.81	4.88	0.00	34.15	5.81	4.88	0.00
31.60	5.81	4.88	0.00	34.20	5.81	4.88	0.00
31.65	5.81	4.88	0.00	34.25	5.81	4.88	0.00
31.70	5.81	4.88	0.00	34.30	5.81	4.88	0.00
31.75	5.81	4.88	0.00	34.35	5.81	4.88	0.00
31.80	5.81	4.88	0.00	34.40	5.81	4.88	0.00
31.85	5.81	4.88	0.00	34.45	5.81	4.88	0.00
31.90	5.81	4.88	0.00	34.50	5.81	4.88	0.00
31.95	5.81	4.88	0.00	34.55	5.81	4.88	0.00
32.00	5.81	4.88	0.00	34.60	5.81	4.88	0.00
32.05	5.81	4.88	0.00	34.65	5.81	4.88	0.00
32.10	5.81	4.88	0.00	34.70	5.81	4.88	0.00
32.15	5.81	4.88	0.00	34.75	5.81	4.88	0.00
32.20	5.81	4.88	0.00	34.80	5.81	4.88	0.00
32.25	5.81	4.88	0.00	34.85	5.81	4.88	0.00
32.30	5.81	4.88	0.00	34.90	5.81	4.88	0.00
32.35	5.81	4.88	0.00	34.95	5.81	4.88	0.00
32.40	5.81	4.88	0.00	35.00	5.81	4.88	0.00
32.45	5.81	4.88	0.00	35.05	5.81	4.88	0.00
32.50	5.81	4.88	0.00	35.10	5.81	4.88	0.00
32.55	5.81	4.88	0.00	35.15	5.81	4.88	0.00
32.60	5.81	4.88	0.00	35.20	5.81	4.88	0.00
32.65	5.81	4.88	0.00	35.25	5.81	4.88	0.00
32.70	5.81	4.88	0.00	35.30	5.81	4.88	0.00
32.75	5.81	4.88	0.00	35.35	5.81	4.88	0.00
32.80	5.81	4.88	0.00	35.40	5.81	4.88	0.00
32.85	5.81	4.88	0.00	35.45	5.81	4.88	0.00
32.90	5.81	4.88	0.00	35.50	5.81	4.88	0.00
32.95	5.81	4.88	0.00	35.55	5.81	4.88	0.00
33.00	5.81	4.88	0.00	35.60	5.81	4.88	0.00
33.05	5.81	4.88	0.00	35.65	5.81	4.88	0.00
33.10	5.81	4.88	0.00	35.70	5.81	4.88	0.00
33.15	5.81	4.88	0.00	35.75	5.81	4.88	0.00
33.20	5.81	4.88	0.00	35.80	5.81	4.88	0.00
33.25	5.81	4.88	0.00	35.85	5.81	4.88	0.00
33.30	5.81	4.88	0.00	35.90	5.81	4.88	0.00
33.35	5.81	4.88	0.00	35.95	5.81	4.88	0.00
33.40	5.81	4.88	0.00	36.00	5.81	4.88	0.00
33.45	5.81	4.88	0.00	36.05	5.81	4.88	0.00
33.50	5.81	4.88	0.00	36.10	5.81	4.88	0.00
33.55	5.81	4.88	0.00	36.15	5.81	4.88	0.00
33.60	5.81	4.88	0.00	36.20	5.81	4.88	0.00
33.65	5.81	4.88	0.00	36.25	5.81	4.88	0.00
33.70	5.81	4.88	0.00	36.30	5.81	4.88	0.00
33.75	5.81	4.88	0.00	36.35	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	4.88	0.00	39.00	5.81	4.88	0.00
36.45	5.81	4.88	0.00	39.05	5.81	4.88	0.00
36.50	5.81	4.88	0.00	39.10	5.81	4.88	0.00
36.55	5.81	4.88	0.00	39.15	5.81	4.88	0.00
36.60	5.81	4.88	0.00	39.20	5.81	4.88	0.00
36.65	5.81	4.88	0.00	39.25	5.81	4.88	0.00
36.70	5.81	4.88	0.00	39.30	5.81	4.88	0.00
36.75	5.81	4.88	0.00	39.35	5.81	4.88	0.00
36.80	5.81	4.88	0.00	39.40	5.81	4.88	0.00
36.85	5.81	4.88	0.00	39.45	5.81	4.88	0.00
36.90	5.81	4.88	0.00	39.50	5.81	4.88	0.00
36.95	5.81	4.88	0.00	39.55	5.81	4.88	0.00
37.00	5.81	4.88	0.00	39.60	5.81	4.88	0.00
37.05	5.81	4.88	0.00	39.65	5.81	4.88	0.00
37.10	5.81	4.88	0.00	39.70	5.81	4.88	0.00
37.15	5.81	4.88	0.00	39.75	5.81	4.88	0.00
37.20	5.81	4.88	0.00	39.80	5.81	4.88	0.00
37.25	5.81	4.88	0.00	39.85	5.81	4.88	0.00
37.30	5.81	4.88	0.00	39.90	5.81	4.88	0.00
37.35	5.81	4.88	0.00	39.95	5.81	4.88	0.00
37.40	5.81	4.88	0.00	40.00	5.81	4.88	0.00
37.45	5.81	4.88	0.00				
37.50	5.81	4.88	0.00				
37.55	5.81	4.88	0.00				
37.60	5.81	4.88	0.00				
37.65	5.81	4.88	0.00				
37.70	5.81	4.88	0.00				
37.75	5.81	4.88	0.00				
37.80	5.81	4.88	0.00				
37.85	5.81	4.88	0.00				
37.90	5.81	4.88	0.00				
37.95	5.81	4.88	0.00				
38.00	5.81	4.88	0.00				
38.05	5.81	4.88	0.00				
38.10	5.81	4.88	0.00				
38.15	5.81	4.88	0.00				
38.20	5.81	4.88	0.00				
38.25	5.81	4.88	0.00				
38.30	5.81	4.88	0.00				
38.35	5.81	4.88	0.00				
38.40	5.81	4.88	0.00				
38.45	5.81	4.88	0.00				
38.50	5.81	4.88	0.00				
38.55	5.81	4.88	0.00				
38.60	5.81	4.88	0.00				
38.65	5.81	4.88	0.00				
38.70	5.81	4.88	0.00				
38.75	5.81	4.88	0.00				
38.80	5.81	4.88	0.00				
38.85	5.81	4.88	0.00				
38.90	5.81	4.88	0.00				
38.95	5.81	4.88	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

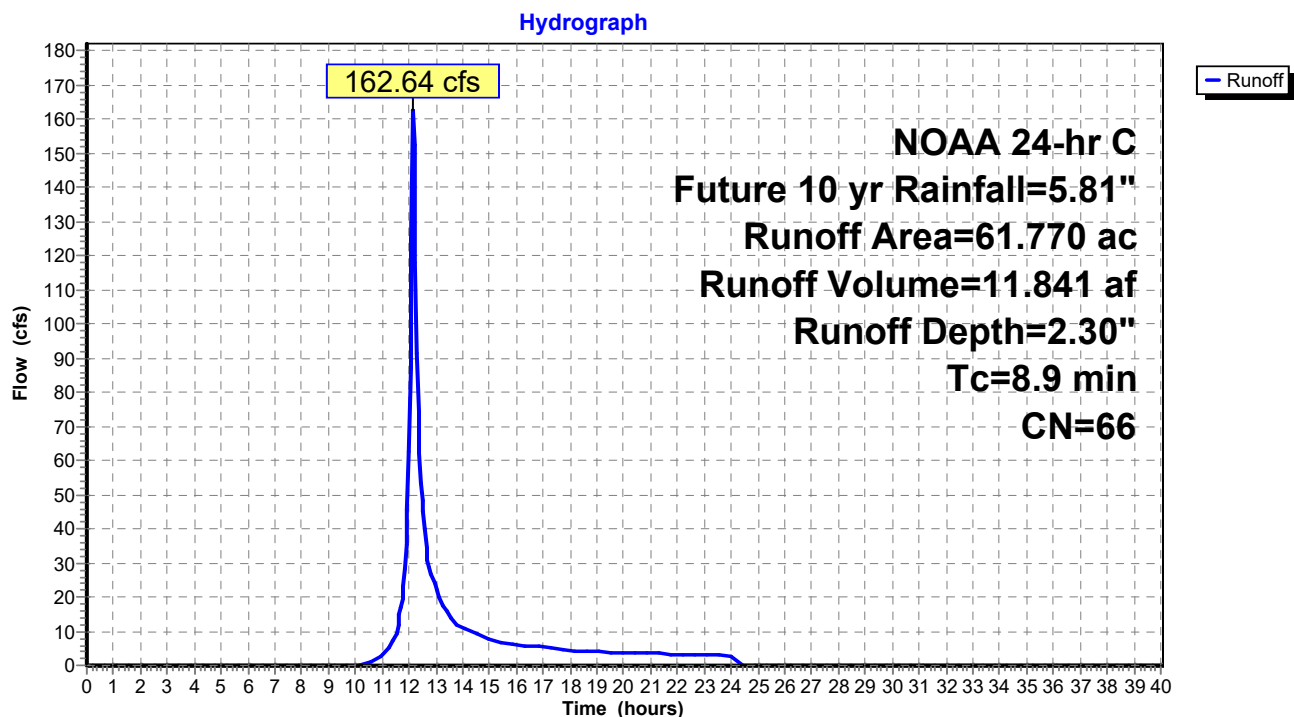
Runoff = 162.64 cfs @ 12.17 hrs, Volume= 11.841 af, Depth= 2.30"
 Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.02
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.07
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.13
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.20
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.28
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.37
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.46
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.55

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.65	13.00	4.42	1.34	22.63
10.45	1.18	0.00	0.75	13.05	4.44	1.36	21.50
10.50	1.20	0.01	0.85	13.10	4.46	1.37	20.33
10.55	1.21	0.01	0.96	13.15	4.48	1.39	19.24
10.60	1.23	0.01	1.10	13.20	4.50	1.40	18.35
10.65	1.25	0.01	1.26	13.25	4.52	1.41	17.62
10.70	1.27	0.01	1.44	13.30	4.54	1.42	16.94
10.75	1.29	0.01	1.64	13.35	4.56	1.44	16.30
10.80	1.31	0.01	1.86	13.40	4.58	1.45	15.66
10.85	1.33	0.02	2.09	13.45	4.60	1.46	15.02
10.90	1.35	0.02	2.35	13.50	4.61	1.47	14.38
10.95	1.37	0.02	2.62	13.55	4.63	1.48	13.74
11.00	1.39	0.02	2.91	13.60	4.64	1.49	13.09
11.05	1.42	0.03	3.23	13.65	4.66	1.50	12.50
11.10	1.45	0.03	3.63	13.70	4.67	1.51	12.10
11.15	1.48	0.04	4.09	13.75	4.68	1.52	11.83
11.20	1.51	0.04	4.60	13.80	4.70	1.53	11.62
11.25	1.54	0.05	5.16	13.85	4.71	1.53	11.44
11.30	1.57	0.05	5.77	13.90	4.72	1.54	11.28
11.35	1.61	0.06	6.42	13.95	4.74	1.55	11.12
11.40	1.64	0.06	7.14	14.00	4.75	1.56	10.95
11.45	1.68	0.07	7.87	14.05	4.76	1.57	10.79
11.50	1.72	0.08	8.64	14.10	4.78	1.58	10.62
11.55	1.78	0.09	9.67	14.15	4.79	1.58	10.46
11.60	1.83	0.11	11.89	14.20	4.80	1.59	10.29
11.65	1.90	0.12	14.73	14.25	4.81	1.60	10.14
11.70	1.96	0.14	17.13	14.30	4.82	1.61	9.97
11.75	2.04	0.17	19.46	14.35	4.83	1.62	9.80
11.80	2.13	0.19	23.24	14.40	4.85	1.62	9.62
11.85	2.25	0.23	28.41	14.45	4.86	1.63	9.45
11.90	2.36	0.27	35.60	14.50	4.87	1.64	9.29
11.95	2.57	0.35	45.53	14.55	4.88	1.64	9.12
12.00	2.77	0.44	62.83	14.60	4.89	1.65	8.95
12.05	3.11	0.60	87.47	14.65	4.90	1.66	8.77
12.10	3.45	0.77	124.93	14.70	4.91	1.66	8.59
12.15	3.56	0.84	160.47	14.75	4.92	1.67	8.42
12.20	3.68	0.90	152.41	14.80	4.93	1.68	8.25
12.25	3.77	0.95	117.95	14.85	4.94	1.68	8.09
12.30	3.85	1.00	91.22	14.90	4.94	1.69	7.91
12.35	3.91	1.03	74.33	14.95	4.95	1.70	7.73
12.40	3.98	1.07	62.21	15.00	4.96	1.70	7.55
12.45	4.03	1.11	53.40	15.05	4.97	1.71	7.37
12.50	4.09	1.14	48.40	15.10	4.98	1.71	7.20
12.55	4.13	1.17	45.18	15.15	4.99	1.72	7.04
12.60	4.17	1.19	40.04	15.20	4.99	1.72	6.93
12.65	4.20	1.21	34.34	15.25	5.00	1.73	6.85
12.70	4.24	1.23	30.75	15.30	5.01	1.73	6.79
12.75	4.27	1.25	28.77	15.35	5.02	1.74	6.74
12.80	4.30	1.27	27.30	15.40	5.03	1.74	6.70
12.85	4.33	1.29	26.08	15.45	5.03	1.75	6.66
12.90	4.36	1.31	24.90	15.50	5.04	1.76	6.62
12.95	4.39	1.33	23.78	15.55	5.05	1.76	6.57

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.77	6.53	18.20	5.37	1.98	4.12
15.65	5.06	1.77	6.49	18.25	5.37	1.99	4.10
15.70	5.07	1.78	6.44	18.30	5.38	1.99	4.08
15.75	5.08	1.78	6.39	18.35	5.38	1.99	4.07
15.80	5.09	1.79	6.34	18.40	5.39	2.00	4.06
15.85	5.09	1.79	6.30	18.45	5.39	2.00	4.05
15.90	5.10	1.80	6.26	18.50	5.40	2.00	4.03
15.95	5.11	1.80	6.22	18.55	5.40	2.01	4.02
16.00	5.11	1.81	6.17	18.60	5.40	2.01	4.01
16.05	5.12	1.81	6.12	18.65	5.41	2.01	4.00
16.10	5.13	1.82	6.08	18.70	5.41	2.02	3.99
16.15	5.13	1.82	6.04	18.75	5.42	2.02	3.98
16.20	5.14	1.82	6.00	18.80	5.42	2.02	3.97
16.25	5.15	1.83	5.95	18.85	5.43	2.02	3.96
16.30	5.16	1.83	5.90	18.90	5.43	2.03	3.95
16.35	5.16	1.84	5.85	18.95	5.44	2.03	3.93
16.40	5.17	1.84	5.80	19.00	5.44	2.03	3.92
16.45	5.17	1.85	5.76	19.05	5.44	2.04	3.91
16.50	5.18	1.85	5.71	19.10	5.45	2.04	3.90
16.55	5.19	1.86	5.66	19.15	5.45	2.04	3.89
16.60	5.19	1.86	5.62	19.20	5.46	2.05	3.88
16.65	5.20	1.87	5.58	19.25	5.46	2.05	3.87
16.70	5.21	1.87	5.53	19.30	5.47	2.05	3.85
16.75	5.21	1.87	5.49	19.35	5.47	2.06	3.84
16.80	5.22	1.88	5.43	19.40	5.48	2.06	3.83
16.85	5.23	1.88	5.38	19.45	5.48	2.06	3.82
16.90	5.23	1.89	5.33	19.50	5.48	2.06	3.81
16.95	5.24	1.89	5.29	19.55	5.49	2.07	3.80
17.00	5.24	1.90	5.25	19.60	5.49	2.07	3.78
17.05	5.25	1.90	5.20	19.65	5.50	2.07	3.77
17.10	5.25	1.90	5.16	19.70	5.50	2.08	3.76
17.15	5.26	1.91	5.11	19.75	5.50	2.08	3.75
17.20	5.27	1.91	5.06	19.80	5.51	2.08	3.75
17.25	5.27	1.92	5.01	19.85	5.51	2.09	3.74
17.30	5.28	1.92	4.96	19.90	5.52	2.09	3.73
17.35	5.28	1.92	4.90	19.95	5.52	2.09	3.71
17.40	5.29	1.93	4.86	20.00	5.53	2.09	3.70
17.45	5.29	1.93	4.82	20.05	5.53	2.10	3.68
17.50	5.30	1.93	4.77	20.10	5.53	2.10	3.67
17.55	5.30	1.94	4.73	20.15	5.54	2.10	3.66
17.60	5.31	1.94	4.68	20.20	5.54	2.11	3.65
17.65	5.31	1.95	4.63	20.25	5.55	2.11	3.63
17.70	5.32	1.95	4.58	20.30	5.55	2.11	3.62
17.75	5.33	1.95	4.53	20.35	5.55	2.12	3.61
17.80	5.33	1.96	4.48	20.40	5.56	2.12	3.60
17.85	5.34	1.96	4.44	20.45	5.56	2.12	3.59
17.90	5.34	1.96	4.39	20.50	5.57	2.12	3.58
17.95	5.34	1.97	4.34	20.55	5.57	2.13	3.56
18.00	5.35	1.97	4.29	20.60	5.57	2.13	3.56
18.05	5.35	1.97	4.24	20.65	5.58	2.13	3.56
18.10	5.36	1.98	4.19	20.70	5.58	2.14	3.54
18.15	5.36	1.98	4.15	20.75	5.59	2.14	3.52

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.14	3.51	23.40	5.77	2.27	2.88
20.85	5.59	2.14	3.49	23.45	5.78	2.27	2.87
20.90	5.60	2.15	3.48	23.50	5.78	2.28	2.86
20.95	5.60	2.15	3.47	23.55	5.78	2.28	2.84
21.00	5.61	2.15	3.46	23.60	5.78	2.28	2.82
21.05	5.61	2.15	3.44	23.65	5.79	2.28	2.81
21.10	5.61	2.16	3.43	23.70	5.79	2.29	2.80
21.15	5.62	2.16	3.42	23.75	5.79	2.29	2.80
21.20	5.62	2.16	3.41	23.80	5.80	2.29	2.78
21.25	5.62	2.17	3.40	23.85	5.80	2.29	2.76
21.30	5.63	2.17	3.39	23.90	5.80	2.29	2.75
21.35	5.63	2.17	3.39	23.95	5.81	2.30	2.77
21.40	5.64	2.17	3.37	24.00	5.81	2.30	2.93
21.45	5.64	2.18	3.36	24.05	5.81	2.30	2.98
21.50	5.64	2.18	3.34	24.10	5.81	2.30	2.23
21.55	5.65	2.18	3.33	24.15	5.81	2.30	1.14
21.60	5.65	2.18	3.31	24.20	5.81	2.30	0.50
21.65	5.65	2.19	3.30	24.25	5.81	2.30	0.22
21.70	5.66	2.19	3.29	24.30	5.81	2.30	0.09
21.75	5.66	2.19	3.28	24.35	5.81	2.30	0.04
21.80	5.66	2.19	3.27	24.40	5.81	2.30	0.02
21.85	5.67	2.20	3.27	24.45	5.81	2.30	0.00
21.90	5.67	2.20	3.25	24.50	5.81	2.30	0.00
21.95	5.68	2.20	3.23	24.55	5.81	2.30	0.00
22.00	5.68	2.20	3.22	24.60	5.81	2.30	0.00
22.05	5.68	2.21	3.20	24.65	5.81	2.30	0.00
22.10	5.69	2.21	3.19	24.70	5.81	2.30	0.00
22.15	5.69	2.21	3.18	24.75	5.81	2.30	0.00
22.20	5.69	2.22	3.17	24.80	5.81	2.30	0.00
22.25	5.70	2.22	3.17	24.85	5.81	2.30	0.00
22.30	5.70	2.22	3.16	24.90	5.81	2.30	0.00
22.35	5.70	2.22	3.14	24.95	5.81	2.30	0.00
22.40	5.71	2.22	3.12	25.00	5.81	2.30	0.00
22.45	5.71	2.23	3.11	25.05	5.81	2.30	0.00
22.50	5.71	2.23	3.09	25.10	5.81	2.30	0.00
22.55	5.72	2.23	3.08	25.15	5.81	2.30	0.00
22.60	5.72	2.23	3.08	25.20	5.81	2.30	0.00
22.65	5.72	2.24	3.07	25.25	5.81	2.30	0.00
22.70	5.73	2.24	3.06	25.30	5.81	2.30	0.00
22.75	5.73	2.24	3.04	25.35	5.81	2.30	0.00
22.80	5.73	2.24	3.02	25.40	5.81	2.30	0.00
22.85	5.74	2.25	3.01	25.45	5.81	2.30	0.00
22.90	5.74	2.25	2.99	25.50	5.81	2.30	0.00
22.95	5.74	2.25	2.98	25.55	5.81	2.30	0.00
23.00	5.75	2.25	2.98	25.60	5.81	2.30	0.00
23.05	5.75	2.26	2.97	25.65	5.81	2.30	0.00
23.10	5.75	2.26	2.96	25.70	5.81	2.30	0.00
23.15	5.76	2.26	2.94	25.75	5.81	2.30	0.00
23.20	5.76	2.26	2.92	25.80	5.81	2.30	0.00
23.25	5.76	2.27	2.91	25.85	5.81	2.30	0.00
23.30	5.77	2.27	2.90	25.90	5.81	2.30	0.00
23.35	5.77	2.27	2.88	25.95	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.30	0.00	28.60	5.81	2.30	0.00
26.05	5.81	2.30	0.00	28.65	5.81	2.30	0.00
26.10	5.81	2.30	0.00	28.70	5.81	2.30	0.00
26.15	5.81	2.30	0.00	28.75	5.81	2.30	0.00
26.20	5.81	2.30	0.00	28.80	5.81	2.30	0.00
26.25	5.81	2.30	0.00	28.85	5.81	2.30	0.00
26.30	5.81	2.30	0.00	28.90	5.81	2.30	0.00
26.35	5.81	2.30	0.00	28.95	5.81	2.30	0.00
26.40	5.81	2.30	0.00	29.00	5.81	2.30	0.00
26.45	5.81	2.30	0.00	29.05	5.81	2.30	0.00
26.50	5.81	2.30	0.00	29.10	5.81	2.30	0.00
26.55	5.81	2.30	0.00	29.15	5.81	2.30	0.00
26.60	5.81	2.30	0.00	29.20	5.81	2.30	0.00
26.65	5.81	2.30	0.00	29.25	5.81	2.30	0.00
26.70	5.81	2.30	0.00	29.30	5.81	2.30	0.00
26.75	5.81	2.30	0.00	29.35	5.81	2.30	0.00
26.80	5.81	2.30	0.00	29.40	5.81	2.30	0.00
26.85	5.81	2.30	0.00	29.45	5.81	2.30	0.00
26.90	5.81	2.30	0.00	29.50	5.81	2.30	0.00
26.95	5.81	2.30	0.00	29.55	5.81	2.30	0.00
27.00	5.81	2.30	0.00	29.60	5.81	2.30	0.00
27.05	5.81	2.30	0.00	29.65	5.81	2.30	0.00
27.10	5.81	2.30	0.00	29.70	5.81	2.30	0.00
27.15	5.81	2.30	0.00	29.75	5.81	2.30	0.00
27.20	5.81	2.30	0.00	29.80	5.81	2.30	0.00
27.25	5.81	2.30	0.00	29.85	5.81	2.30	0.00
27.30	5.81	2.30	0.00	29.90	5.81	2.30	0.00
27.35	5.81	2.30	0.00	29.95	5.81	2.30	0.00
27.40	5.81	2.30	0.00	30.00	5.81	2.30	0.00
27.45	5.81	2.30	0.00	30.05	5.81	2.30	0.00
27.50	5.81	2.30	0.00	30.10	5.81	2.30	0.00
27.55	5.81	2.30	0.00	30.15	5.81	2.30	0.00
27.60	5.81	2.30	0.00	30.20	5.81	2.30	0.00
27.65	5.81	2.30	0.00	30.25	5.81	2.30	0.00
27.70	5.81	2.30	0.00	30.30	5.81	2.30	0.00
27.75	5.81	2.30	0.00	30.35	5.81	2.30	0.00
27.80	5.81	2.30	0.00	30.40	5.81	2.30	0.00
27.85	5.81	2.30	0.00	30.45	5.81	2.30	0.00
27.90	5.81	2.30	0.00	30.50	5.81	2.30	0.00
27.95	5.81	2.30	0.00	30.55	5.81	2.30	0.00
28.00	5.81	2.30	0.00	30.60	5.81	2.30	0.00
28.05	5.81	2.30	0.00	30.65	5.81	2.30	0.00
28.10	5.81	2.30	0.00	30.70	5.81	2.30	0.00
28.15	5.81	2.30	0.00	30.75	5.81	2.30	0.00
28.20	5.81	2.30	0.00	30.80	5.81	2.30	0.00
28.25	5.81	2.30	0.00	30.85	5.81	2.30	0.00
28.30	5.81	2.30	0.00	30.90	5.81	2.30	0.00
28.35	5.81	2.30	0.00	30.95	5.81	2.30	0.00
28.40	5.81	2.30	0.00	31.00	5.81	2.30	0.00
28.45	5.81	2.30	0.00	31.05	5.81	2.30	0.00
28.50	5.81	2.30	0.00	31.10	5.81	2.30	0.00
28.55	5.81	2.30	0.00	31.15	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.30	0.00	33.80	5.81	2.30	0.00
31.25	5.81	2.30	0.00	33.85	5.81	2.30	0.00
31.30	5.81	2.30	0.00	33.90	5.81	2.30	0.00
31.35	5.81	2.30	0.00	33.95	5.81	2.30	0.00
31.40	5.81	2.30	0.00	34.00	5.81	2.30	0.00
31.45	5.81	2.30	0.00	34.05	5.81	2.30	0.00
31.50	5.81	2.30	0.00	34.10	5.81	2.30	0.00
31.55	5.81	2.30	0.00	34.15	5.81	2.30	0.00
31.60	5.81	2.30	0.00	34.20	5.81	2.30	0.00
31.65	5.81	2.30	0.00	34.25	5.81	2.30	0.00
31.70	5.81	2.30	0.00	34.30	5.81	2.30	0.00
31.75	5.81	2.30	0.00	34.35	5.81	2.30	0.00
31.80	5.81	2.30	0.00	34.40	5.81	2.30	0.00
31.85	5.81	2.30	0.00	34.45	5.81	2.30	0.00
31.90	5.81	2.30	0.00	34.50	5.81	2.30	0.00
31.95	5.81	2.30	0.00	34.55	5.81	2.30	0.00
32.00	5.81	2.30	0.00	34.60	5.81	2.30	0.00
32.05	5.81	2.30	0.00	34.65	5.81	2.30	0.00
32.10	5.81	2.30	0.00	34.70	5.81	2.30	0.00
32.15	5.81	2.30	0.00	34.75	5.81	2.30	0.00
32.20	5.81	2.30	0.00	34.80	5.81	2.30	0.00
32.25	5.81	2.30	0.00	34.85	5.81	2.30	0.00
32.30	5.81	2.30	0.00	34.90	5.81	2.30	0.00
32.35	5.81	2.30	0.00	34.95	5.81	2.30	0.00
32.40	5.81	2.30	0.00	35.00	5.81	2.30	0.00
32.45	5.81	2.30	0.00	35.05	5.81	2.30	0.00
32.50	5.81	2.30	0.00	35.10	5.81	2.30	0.00
32.55	5.81	2.30	0.00	35.15	5.81	2.30	0.00
32.60	5.81	2.30	0.00	35.20	5.81	2.30	0.00
32.65	5.81	2.30	0.00	35.25	5.81	2.30	0.00
32.70	5.81	2.30	0.00	35.30	5.81	2.30	0.00
32.75	5.81	2.30	0.00	35.35	5.81	2.30	0.00
32.80	5.81	2.30	0.00	35.40	5.81	2.30	0.00
32.85	5.81	2.30	0.00	35.45	5.81	2.30	0.00
32.90	5.81	2.30	0.00	35.50	5.81	2.30	0.00
32.95	5.81	2.30	0.00	35.55	5.81	2.30	0.00
33.00	5.81	2.30	0.00	35.60	5.81	2.30	0.00
33.05	5.81	2.30	0.00	35.65	5.81	2.30	0.00
33.10	5.81	2.30	0.00	35.70	5.81	2.30	0.00
33.15	5.81	2.30	0.00	35.75	5.81	2.30	0.00
33.20	5.81	2.30	0.00	35.80	5.81	2.30	0.00
33.25	5.81	2.30	0.00	35.85	5.81	2.30	0.00
33.30	5.81	2.30	0.00	35.90	5.81	2.30	0.00
33.35	5.81	2.30	0.00	35.95	5.81	2.30	0.00
33.40	5.81	2.30	0.00	36.00	5.81	2.30	0.00
33.45	5.81	2.30	0.00	36.05	5.81	2.30	0.00
33.50	5.81	2.30	0.00	36.10	5.81	2.30	0.00
33.55	5.81	2.30	0.00	36.15	5.81	2.30	0.00
33.60	5.81	2.30	0.00	36.20	5.81	2.30	0.00
33.65	5.81	2.30	0.00	36.25	5.81	2.30	0.00
33.70	5.81	2.30	0.00	36.30	5.81	2.30	0.00
33.75	5.81	2.30	0.00	36.35	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.30	0.00	39.00	5.81	2.30	0.00
36.45	5.81	2.30	0.00	39.05	5.81	2.30	0.00
36.50	5.81	2.30	0.00	39.10	5.81	2.30	0.00
36.55	5.81	2.30	0.00	39.15	5.81	2.30	0.00
36.60	5.81	2.30	0.00	39.20	5.81	2.30	0.00
36.65	5.81	2.30	0.00	39.25	5.81	2.30	0.00
36.70	5.81	2.30	0.00	39.30	5.81	2.30	0.00
36.75	5.81	2.30	0.00	39.35	5.81	2.30	0.00
36.80	5.81	2.30	0.00	39.40	5.81	2.30	0.00
36.85	5.81	2.30	0.00	39.45	5.81	2.30	0.00
36.90	5.81	2.30	0.00	39.50	5.81	2.30	0.00
36.95	5.81	2.30	0.00	39.55	5.81	2.30	0.00
37.00	5.81	2.30	0.00	39.60	5.81	2.30	0.00
37.05	5.81	2.30	0.00	39.65	5.81	2.30	0.00
37.10	5.81	2.30	0.00	39.70	5.81	2.30	0.00
37.15	5.81	2.30	0.00	39.75	5.81	2.30	0.00
37.20	5.81	2.30	0.00	39.80	5.81	2.30	0.00
37.25	5.81	2.30	0.00	39.85	5.81	2.30	0.00
37.30	5.81	2.30	0.00	39.90	5.81	2.30	0.00
37.35	5.81	2.30	0.00	39.95	5.81	2.30	0.00
37.40	5.81	2.30	0.00	40.00	5.81	2.30	0.00
37.45	5.81	2.30	0.00				
37.50	5.81	2.30	0.00				
37.55	5.81	2.30	0.00				
37.60	5.81	2.30	0.00				
37.65	5.81	2.30	0.00				
37.70	5.81	2.30	0.00				
37.75	5.81	2.30	0.00				
37.80	5.81	2.30	0.00				
37.85	5.81	2.30	0.00				
37.90	5.81	2.30	0.00				
37.95	5.81	2.30	0.00				
38.00	5.81	2.30	0.00				
38.05	5.81	2.30	0.00				
38.10	5.81	2.30	0.00				
38.15	5.81	2.30	0.00				
38.20	5.81	2.30	0.00				
38.25	5.81	2.30	0.00				
38.30	5.81	2.30	0.00				
38.35	5.81	2.30	0.00				
38.40	5.81	2.30	0.00				
38.45	5.81	2.30	0.00				
38.50	5.81	2.30	0.00				
38.55	5.81	2.30	0.00				
38.60	5.81	2.30	0.00				
38.65	5.81	2.30	0.00				
38.70	5.81	2.30	0.00				
38.75	5.81	2.30	0.00				
38.80	5.81	2.30	0.00				
38.85	5.81	2.30	0.00				
38.90	5.81	2.30	0.00				
38.95	5.81	2.30	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 68.24 cfs @ 12.17 hrs, Volume= 4.953 af, Depth= 2.39"
 Routed to Link XDA-10 : XDA-10

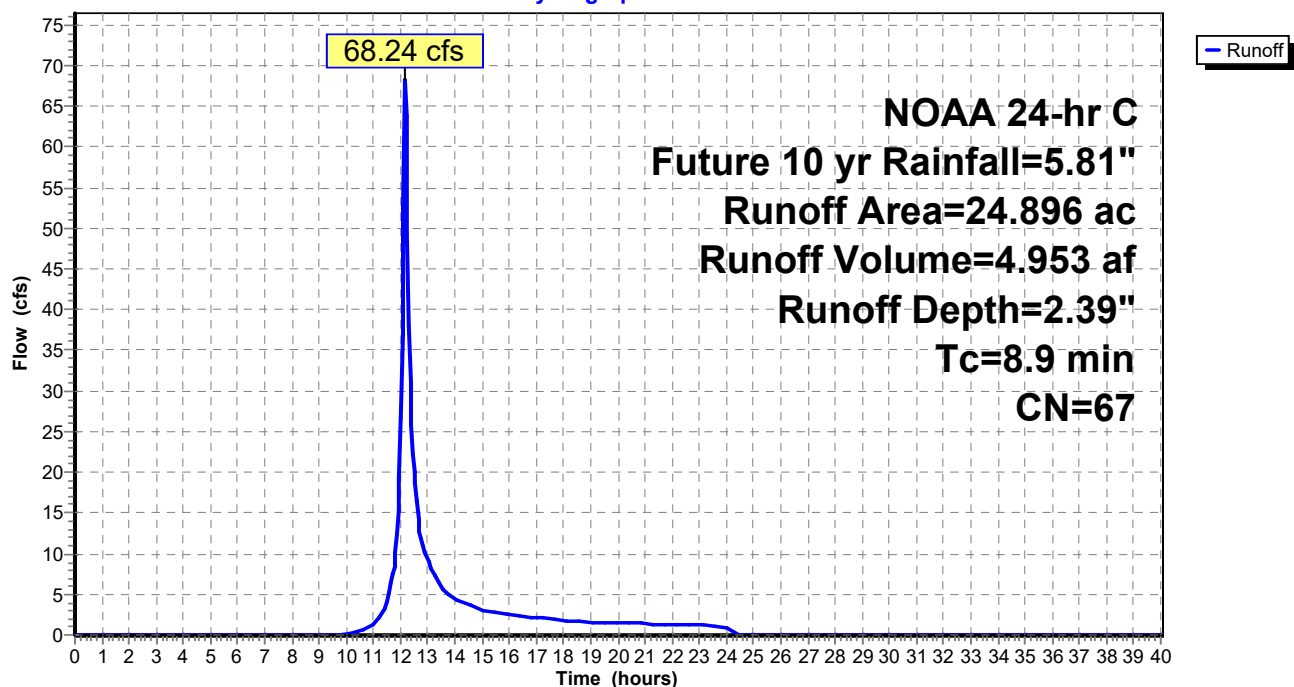
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.01
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.07
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.10
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.13
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.16
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.20
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.23
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.27
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.31
7.75	0.66	0.00	0.00	10.35	1.15	0.01	0.35

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.01	0.39	13.00	4.42	1.41	9.36
10.45	1.18	0.01	0.43	13.05	4.44	1.42	8.90
10.50	1.20	0.01	0.48	13.10	4.46	1.44	8.41
10.55	1.21	0.01	0.53	13.15	4.48	1.45	7.96
10.60	1.23	0.01	0.59	13.20	4.50	1.47	7.59
10.65	1.25	0.01	0.66	13.25	4.52	1.48	7.29
10.70	1.27	0.02	0.74	13.30	4.54	1.49	7.01
10.75	1.29	0.02	0.83	13.35	4.56	1.50	6.74
10.80	1.31	0.02	0.93	13.40	4.58	1.52	6.47
10.85	1.33	0.02	1.03	13.45	4.60	1.53	6.21
10.90	1.35	0.02	1.14	13.50	4.61	1.54	5.94
10.95	1.37	0.03	1.26	13.55	4.63	1.55	5.68
11.00	1.39	0.03	1.39	13.60	4.64	1.56	5.41
11.05	1.42	0.04	1.53	13.65	4.66	1.57	5.16
11.10	1.45	0.04	1.70	13.70	4.67	1.58	5.00
11.15	1.48	0.04	1.90	13.75	4.68	1.59	4.89
11.20	1.51	0.05	2.12	13.80	4.70	1.60	4.80
11.25	1.54	0.06	2.36	13.85	4.71	1.60	4.72
11.30	1.57	0.06	2.63	13.90	4.72	1.61	4.66
11.35	1.61	0.07	2.91	13.95	4.74	1.62	4.59
11.40	1.64	0.08	3.21	14.00	4.75	1.63	4.52
11.45	1.68	0.09	3.52	14.05	4.76	1.64	4.45
11.50	1.72	0.09	3.85	14.10	4.78	1.65	4.38
11.55	1.78	0.11	4.29	14.15	4.79	1.66	4.32
11.60	1.83	0.12	5.25	14.20	4.80	1.66	4.25
11.65	1.90	0.14	6.47	14.25	4.81	1.67	4.18
11.70	1.96	0.16	7.49	14.30	4.82	1.68	4.11
11.75	2.04	0.19	8.47	14.35	4.83	1.69	4.04
11.80	2.13	0.22	10.08	14.40	4.85	1.70	3.97
11.85	2.25	0.26	12.26	14.45	4.86	1.70	3.90
11.90	2.36	0.30	15.30	14.50	4.87	1.71	3.83
11.95	2.57	0.38	19.48	14.55	4.88	1.72	3.76
12.00	2.77	0.47	26.76	14.60	4.89	1.73	3.69
12.05	3.11	0.64	37.07	14.65	4.90	1.73	3.62
12.10	3.45	0.82	52.68	14.70	4.91	1.74	3.54
12.15	3.56	0.89	67.39	14.75	4.92	1.75	3.47
12.20	3.68	0.95	63.83	14.80	4.93	1.75	3.40
12.25	3.77	1.00	49.29	14.85	4.94	1.76	3.33
12.30	3.85	1.05	38.05	14.90	4.94	1.76	3.26
12.35	3.91	1.09	30.96	14.95	4.95	1.77	3.19
12.40	3.98	1.13	25.88	15.00	4.96	1.78	3.11
12.45	4.03	1.17	22.19	15.05	4.97	1.78	3.04
12.50	4.09	1.20	20.10	15.10	4.98	1.79	2.97
12.55	4.13	1.23	18.75	15.15	4.99	1.79	2.90
12.60	4.17	1.25	16.61	15.20	4.99	1.80	2.86
12.65	4.20	1.27	14.24	15.25	5.00	1.80	2.82
12.70	4.24	1.30	12.75	15.30	5.01	1.81	2.80
12.75	4.27	1.32	11.92	15.35	5.02	1.82	2.78
12.80	4.30	1.34	11.31	15.40	5.03	1.82	2.76
12.85	4.33	1.36	10.80	15.45	5.03	1.83	2.75
12.90	4.36	1.37	10.31	15.50	5.04	1.83	2.73
12.95	4.39	1.39	9.84	15.55	5.05	1.84	2.71

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.84	2.69	18.20	5.37	2.06	1.69
15.65	5.06	1.85	2.67	18.25	5.37	2.07	1.69
15.70	5.07	1.85	2.65	18.30	5.38	2.07	1.68
15.75	5.08	1.86	2.63	18.35	5.38	2.07	1.67
15.80	5.09	1.86	2.61	18.40	5.39	2.08	1.67
15.85	5.09	1.87	2.59	18.45	5.39	2.08	1.66
15.90	5.10	1.87	2.58	18.50	5.40	2.08	1.66
15.95	5.11	1.88	2.56	18.55	5.40	2.09	1.66
16.00	5.11	1.88	2.54	18.60	5.40	2.09	1.65
16.05	5.12	1.89	2.52	18.65	5.41	2.09	1.65
16.10	5.13	1.89	2.50	18.70	5.41	2.10	1.64
16.15	5.13	1.90	2.49	18.75	5.42	2.10	1.64
16.20	5.14	1.90	2.47	18.80	5.42	2.10	1.63
16.25	5.15	1.91	2.45	18.85	5.43	2.11	1.63
16.30	5.16	1.91	2.43	18.90	5.43	2.11	1.62
16.35	5.16	1.92	2.41	18.95	5.44	2.11	1.62
16.40	5.17	1.92	2.39	19.00	5.44	2.12	1.61
16.45	5.17	1.93	2.37	19.05	5.44	2.12	1.61
16.50	5.18	1.93	2.35	19.10	5.45	2.12	1.60
16.55	5.19	1.94	2.33	19.15	5.45	2.13	1.60
16.60	5.19	1.94	2.31	19.20	5.46	2.13	1.59
16.65	5.20	1.94	2.30	19.25	5.46	2.13	1.59
16.70	5.21	1.95	2.28	19.30	5.47	2.14	1.59
16.75	5.21	1.95	2.26	19.35	5.47	2.14	1.58
16.80	5.22	1.96	2.24	19.40	5.48	2.14	1.58
16.85	5.23	1.96	2.22	19.45	5.48	2.14	1.57
16.90	5.23	1.97	2.20	19.50	5.48	2.15	1.57
16.95	5.24	1.97	2.18	19.55	5.49	2.15	1.56
17.00	5.24	1.97	2.16	19.60	5.49	2.15	1.56
17.05	5.25	1.98	2.14	19.65	5.50	2.16	1.55
17.10	5.25	1.98	2.12	19.70	5.50	2.16	1.55
17.15	5.26	1.99	2.10	19.75	5.50	2.16	1.54
17.20	5.27	1.99	2.08	19.80	5.51	2.17	1.54
17.25	5.27	1.99	2.06	19.85	5.51	2.17	1.54
17.30	5.28	2.00	2.04	19.90	5.52	2.17	1.53
17.35	5.28	2.00	2.02	19.95	5.52	2.17	1.53
17.40	5.29	2.01	2.00	20.00	5.53	2.18	1.52
17.45	5.29	2.01	1.98	20.05	5.53	2.18	1.51
17.50	5.30	2.01	1.96	20.10	5.53	2.18	1.51
17.55	5.30	2.02	1.95	20.15	5.54	2.19	1.50
17.60	5.31	2.02	1.93	20.20	5.54	2.19	1.50
17.65	5.31	2.03	1.91	20.25	5.55	2.19	1.49
17.70	5.32	2.03	1.89	20.30	5.55	2.20	1.49
17.75	5.33	2.03	1.87	20.35	5.55	2.20	1.48
17.80	5.33	2.04	1.85	20.40	5.56	2.20	1.48
17.85	5.34	2.04	1.83	20.45	5.56	2.20	1.47
17.90	5.34	2.04	1.80	20.50	5.57	2.21	1.47
17.95	5.34	2.05	1.79	20.55	5.57	2.21	1.47
18.00	5.35	2.05	1.76	20.60	5.57	2.21	1.46
18.05	5.35	2.05	1.74	20.65	5.58	2.22	1.46
18.10	5.36	2.06	1.72	20.70	5.58	2.22	1.46
18.15	5.36	2.06	1.71	20.75	5.59	2.22	1.45

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.22	1.44	23.40	5.77	2.36	1.18
20.85	5.59	2.23	1.44	23.45	5.78	2.36	1.18
20.90	5.60	2.23	1.43	23.50	5.78	2.36	1.17
20.95	5.60	2.23	1.43	23.55	5.78	2.37	1.17
21.00	5.61	2.24	1.42	23.60	5.78	2.37	1.16
21.05	5.61	2.24	1.42	23.65	5.79	2.37	1.15
21.10	5.61	2.24	1.41	23.70	5.79	2.37	1.15
21.15	5.62	2.24	1.41	23.75	5.79	2.38	1.15
21.20	5.62	2.25	1.40	23.80	5.80	2.38	1.14
21.25	5.62	2.25	1.40	23.85	5.80	2.38	1.14
21.30	5.63	2.25	1.39	23.90	5.80	2.38	1.13
21.35	5.63	2.26	1.39	23.95	5.81	2.38	1.14
21.40	5.64	2.26	1.39	24.00	5.81	2.39	1.20
21.45	5.64	2.26	1.38	24.05	5.81	2.39	1.22
21.50	5.64	2.26	1.37	24.10	5.81	2.39	0.92
21.55	5.65	2.27	1.37	24.15	5.81	2.39	0.47
21.60	5.65	2.27	1.36	24.20	5.81	2.39	0.20
21.65	5.65	2.27	1.36	24.25	5.81	2.39	0.09
21.70	5.66	2.27	1.35	24.30	5.81	2.39	0.04
21.75	5.66	2.28	1.35	24.35	5.81	2.39	0.02
21.80	5.66	2.28	1.34	24.40	5.81	2.39	0.01
21.85	5.67	2.28	1.34	24.45	5.81	2.39	0.00
21.90	5.67	2.28	1.34	24.50	5.81	2.39	0.00
21.95	5.68	2.29	1.33	24.55	5.81	2.39	0.00
22.00	5.68	2.29	1.32	24.60	5.81	2.39	0.00
22.05	5.68	2.29	1.32	24.65	5.81	2.39	0.00
22.10	5.69	2.30	1.31	24.70	5.81	2.39	0.00
22.15	5.69	2.30	1.31	24.75	5.81	2.39	0.00
22.20	5.69	2.30	1.30	24.80	5.81	2.39	0.00
22.25	5.70	2.30	1.30	24.85	5.81	2.39	0.00
22.30	5.70	2.31	1.30	24.90	5.81	2.39	0.00
22.35	5.70	2.31	1.29	24.95	5.81	2.39	0.00
22.40	5.71	2.31	1.28	25.00	5.81	2.39	0.00
22.45	5.71	2.31	1.28	25.05	5.81	2.39	0.00
22.50	5.71	2.32	1.27	25.10	5.81	2.39	0.00
22.55	5.72	2.32	1.27	25.15	5.81	2.39	0.00
22.60	5.72	2.32	1.26	25.20	5.81	2.39	0.00
22.65	5.72	2.32	1.26	25.25	5.81	2.39	0.00
22.70	5.73	2.33	1.26	25.30	5.81	2.39	0.00
22.75	5.73	2.33	1.25	25.35	5.81	2.39	0.00
22.80	5.73	2.33	1.24	25.40	5.81	2.39	0.00
22.85	5.74	2.33	1.24	25.45	5.81	2.39	0.00
22.90	5.74	2.34	1.23	25.50	5.81	2.39	0.00
22.95	5.74	2.34	1.23	25.55	5.81	2.39	0.00
23.00	5.75	2.34	1.22	25.60	5.81	2.39	0.00
23.05	5.75	2.34	1.22	25.65	5.81	2.39	0.00
23.10	5.75	2.35	1.22	25.70	5.81	2.39	0.00
23.15	5.76	2.35	1.21	25.75	5.81	2.39	0.00
23.20	5.76	2.35	1.20	25.80	5.81	2.39	0.00
23.25	5.76	2.35	1.19	25.85	5.81	2.39	0.00
23.30	5.77	2.35	1.19	25.90	5.81	2.39	0.00
23.35	5.77	2.36	1.18	25.95	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.39	0.00	28.60	5.81	2.39	0.00
26.05	5.81	2.39	0.00	28.65	5.81	2.39	0.00
26.10	5.81	2.39	0.00	28.70	5.81	2.39	0.00
26.15	5.81	2.39	0.00	28.75	5.81	2.39	0.00
26.20	5.81	2.39	0.00	28.80	5.81	2.39	0.00
26.25	5.81	2.39	0.00	28.85	5.81	2.39	0.00
26.30	5.81	2.39	0.00	28.90	5.81	2.39	0.00
26.35	5.81	2.39	0.00	28.95	5.81	2.39	0.00
26.40	5.81	2.39	0.00	29.00	5.81	2.39	0.00
26.45	5.81	2.39	0.00	29.05	5.81	2.39	0.00
26.50	5.81	2.39	0.00	29.10	5.81	2.39	0.00
26.55	5.81	2.39	0.00	29.15	5.81	2.39	0.00
26.60	5.81	2.39	0.00	29.20	5.81	2.39	0.00
26.65	5.81	2.39	0.00	29.25	5.81	2.39	0.00
26.70	5.81	2.39	0.00	29.30	5.81	2.39	0.00
26.75	5.81	2.39	0.00	29.35	5.81	2.39	0.00
26.80	5.81	2.39	0.00	29.40	5.81	2.39	0.00
26.85	5.81	2.39	0.00	29.45	5.81	2.39	0.00
26.90	5.81	2.39	0.00	29.50	5.81	2.39	0.00
26.95	5.81	2.39	0.00	29.55	5.81	2.39	0.00
27.00	5.81	2.39	0.00	29.60	5.81	2.39	0.00
27.05	5.81	2.39	0.00	29.65	5.81	2.39	0.00
27.10	5.81	2.39	0.00	29.70	5.81	2.39	0.00
27.15	5.81	2.39	0.00	29.75	5.81	2.39	0.00
27.20	5.81	2.39	0.00	29.80	5.81	2.39	0.00
27.25	5.81	2.39	0.00	29.85	5.81	2.39	0.00
27.30	5.81	2.39	0.00	29.90	5.81	2.39	0.00
27.35	5.81	2.39	0.00	29.95	5.81	2.39	0.00
27.40	5.81	2.39	0.00	30.00	5.81	2.39	0.00
27.45	5.81	2.39	0.00	30.05	5.81	2.39	0.00
27.50	5.81	2.39	0.00	30.10	5.81	2.39	0.00
27.55	5.81	2.39	0.00	30.15	5.81	2.39	0.00
27.60	5.81	2.39	0.00	30.20	5.81	2.39	0.00
27.65	5.81	2.39	0.00	30.25	5.81	2.39	0.00
27.70	5.81	2.39	0.00	30.30	5.81	2.39	0.00
27.75	5.81	2.39	0.00	30.35	5.81	2.39	0.00
27.80	5.81	2.39	0.00	30.40	5.81	2.39	0.00
27.85	5.81	2.39	0.00	30.45	5.81	2.39	0.00
27.90	5.81	2.39	0.00	30.50	5.81	2.39	0.00
27.95	5.81	2.39	0.00	30.55	5.81	2.39	0.00
28.00	5.81	2.39	0.00	30.60	5.81	2.39	0.00
28.05	5.81	2.39	0.00	30.65	5.81	2.39	0.00
28.10	5.81	2.39	0.00	30.70	5.81	2.39	0.00
28.15	5.81	2.39	0.00	30.75	5.81	2.39	0.00
28.20	5.81	2.39	0.00	30.80	5.81	2.39	0.00
28.25	5.81	2.39	0.00	30.85	5.81	2.39	0.00
28.30	5.81	2.39	0.00	30.90	5.81	2.39	0.00
28.35	5.81	2.39	0.00	30.95	5.81	2.39	0.00
28.40	5.81	2.39	0.00	31.00	5.81	2.39	0.00
28.45	5.81	2.39	0.00	31.05	5.81	2.39	0.00
28.50	5.81	2.39	0.00	31.10	5.81	2.39	0.00
28.55	5.81	2.39	0.00	31.15	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.39	0.00	33.80	5.81	2.39	0.00
31.25	5.81	2.39	0.00	33.85	5.81	2.39	0.00
31.30	5.81	2.39	0.00	33.90	5.81	2.39	0.00
31.35	5.81	2.39	0.00	33.95	5.81	2.39	0.00
31.40	5.81	2.39	0.00	34.00	5.81	2.39	0.00
31.45	5.81	2.39	0.00	34.05	5.81	2.39	0.00
31.50	5.81	2.39	0.00	34.10	5.81	2.39	0.00
31.55	5.81	2.39	0.00	34.15	5.81	2.39	0.00
31.60	5.81	2.39	0.00	34.20	5.81	2.39	0.00
31.65	5.81	2.39	0.00	34.25	5.81	2.39	0.00
31.70	5.81	2.39	0.00	34.30	5.81	2.39	0.00
31.75	5.81	2.39	0.00	34.35	5.81	2.39	0.00
31.80	5.81	2.39	0.00	34.40	5.81	2.39	0.00
31.85	5.81	2.39	0.00	34.45	5.81	2.39	0.00
31.90	5.81	2.39	0.00	34.50	5.81	2.39	0.00
31.95	5.81	2.39	0.00	34.55	5.81	2.39	0.00
32.00	5.81	2.39	0.00	34.60	5.81	2.39	0.00
32.05	5.81	2.39	0.00	34.65	5.81	2.39	0.00
32.10	5.81	2.39	0.00	34.70	5.81	2.39	0.00
32.15	5.81	2.39	0.00	34.75	5.81	2.39	0.00
32.20	5.81	2.39	0.00	34.80	5.81	2.39	0.00
32.25	5.81	2.39	0.00	34.85	5.81	2.39	0.00
32.30	5.81	2.39	0.00	34.90	5.81	2.39	0.00
32.35	5.81	2.39	0.00	34.95	5.81	2.39	0.00
32.40	5.81	2.39	0.00	35.00	5.81	2.39	0.00
32.45	5.81	2.39	0.00	35.05	5.81	2.39	0.00
32.50	5.81	2.39	0.00	35.10	5.81	2.39	0.00
32.55	5.81	2.39	0.00	35.15	5.81	2.39	0.00
32.60	5.81	2.39	0.00	35.20	5.81	2.39	0.00
32.65	5.81	2.39	0.00	35.25	5.81	2.39	0.00
32.70	5.81	2.39	0.00	35.30	5.81	2.39	0.00
32.75	5.81	2.39	0.00	35.35	5.81	2.39	0.00
32.80	5.81	2.39	0.00	35.40	5.81	2.39	0.00
32.85	5.81	2.39	0.00	35.45	5.81	2.39	0.00
32.90	5.81	2.39	0.00	35.50	5.81	2.39	0.00
32.95	5.81	2.39	0.00	35.55	5.81	2.39	0.00
33.00	5.81	2.39	0.00	35.60	5.81	2.39	0.00
33.05	5.81	2.39	0.00	35.65	5.81	2.39	0.00
33.10	5.81	2.39	0.00	35.70	5.81	2.39	0.00
33.15	5.81	2.39	0.00	35.75	5.81	2.39	0.00
33.20	5.81	2.39	0.00	35.80	5.81	2.39	0.00
33.25	5.81	2.39	0.00	35.85	5.81	2.39	0.00
33.30	5.81	2.39	0.00	35.90	5.81	2.39	0.00
33.35	5.81	2.39	0.00	35.95	5.81	2.39	0.00
33.40	5.81	2.39	0.00	36.00	5.81	2.39	0.00
33.45	5.81	2.39	0.00	36.05	5.81	2.39	0.00
33.50	5.81	2.39	0.00	36.10	5.81	2.39	0.00
33.55	5.81	2.39	0.00	36.15	5.81	2.39	0.00
33.60	5.81	2.39	0.00	36.20	5.81	2.39	0.00
33.65	5.81	2.39	0.00	36.25	5.81	2.39	0.00
33.70	5.81	2.39	0.00	36.30	5.81	2.39	0.00
33.75	5.81	2.39	0.00	36.35	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.39	0.00	39.00	5.81	2.39	0.00
36.45	5.81	2.39	0.00	39.05	5.81	2.39	0.00
36.50	5.81	2.39	0.00	39.10	5.81	2.39	0.00
36.55	5.81	2.39	0.00	39.15	5.81	2.39	0.00
36.60	5.81	2.39	0.00	39.20	5.81	2.39	0.00
36.65	5.81	2.39	0.00	39.25	5.81	2.39	0.00
36.70	5.81	2.39	0.00	39.30	5.81	2.39	0.00
36.75	5.81	2.39	0.00	39.35	5.81	2.39	0.00
36.80	5.81	2.39	0.00	39.40	5.81	2.39	0.00
36.85	5.81	2.39	0.00	39.45	5.81	2.39	0.00
36.90	5.81	2.39	0.00	39.50	5.81	2.39	0.00
36.95	5.81	2.39	0.00	39.55	5.81	2.39	0.00
37.00	5.81	2.39	0.00	39.60	5.81	2.39	0.00
37.05	5.81	2.39	0.00	39.65	5.81	2.39	0.00
37.10	5.81	2.39	0.00	39.70	5.81	2.39	0.00
37.15	5.81	2.39	0.00	39.75	5.81	2.39	0.00
37.20	5.81	2.39	0.00	39.80	5.81	2.39	0.00
37.25	5.81	2.39	0.00	39.85	5.81	2.39	0.00
37.30	5.81	2.39	0.00	39.90	5.81	2.39	0.00
37.35	5.81	2.39	0.00	39.95	5.81	2.39	0.00
37.40	5.81	2.39	0.00	40.00	5.81	2.39	0.00
37.45	5.81	2.39	0.00				
37.50	5.81	2.39	0.00				
37.55	5.81	2.39	0.00				
37.60	5.81	2.39	0.00				
37.65	5.81	2.39	0.00				
37.70	5.81	2.39	0.00				
37.75	5.81	2.39	0.00				
37.80	5.81	2.39	0.00				
37.85	5.81	2.39	0.00				
37.90	5.81	2.39	0.00				
37.95	5.81	2.39	0.00				
38.00	5.81	2.39	0.00				
38.05	5.81	2.39	0.00				
38.10	5.81	2.39	0.00				
38.15	5.81	2.39	0.00				
38.20	5.81	2.39	0.00				
38.25	5.81	2.39	0.00				
38.30	5.81	2.39	0.00				
38.35	5.81	2.39	0.00				
38.40	5.81	2.39	0.00				
38.45	5.81	2.39	0.00				
38.50	5.81	2.39	0.00				
38.55	5.81	2.39	0.00				
38.60	5.81	2.39	0.00				
38.65	5.81	2.39	0.00				
38.70	5.81	2.39	0.00				
38.75	5.81	2.39	0.00				
38.80	5.81	2.39	0.00				
38.85	5.81	2.39	0.00				
38.90	5.81	2.39	0.00				
38.95	5.81	2.39	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

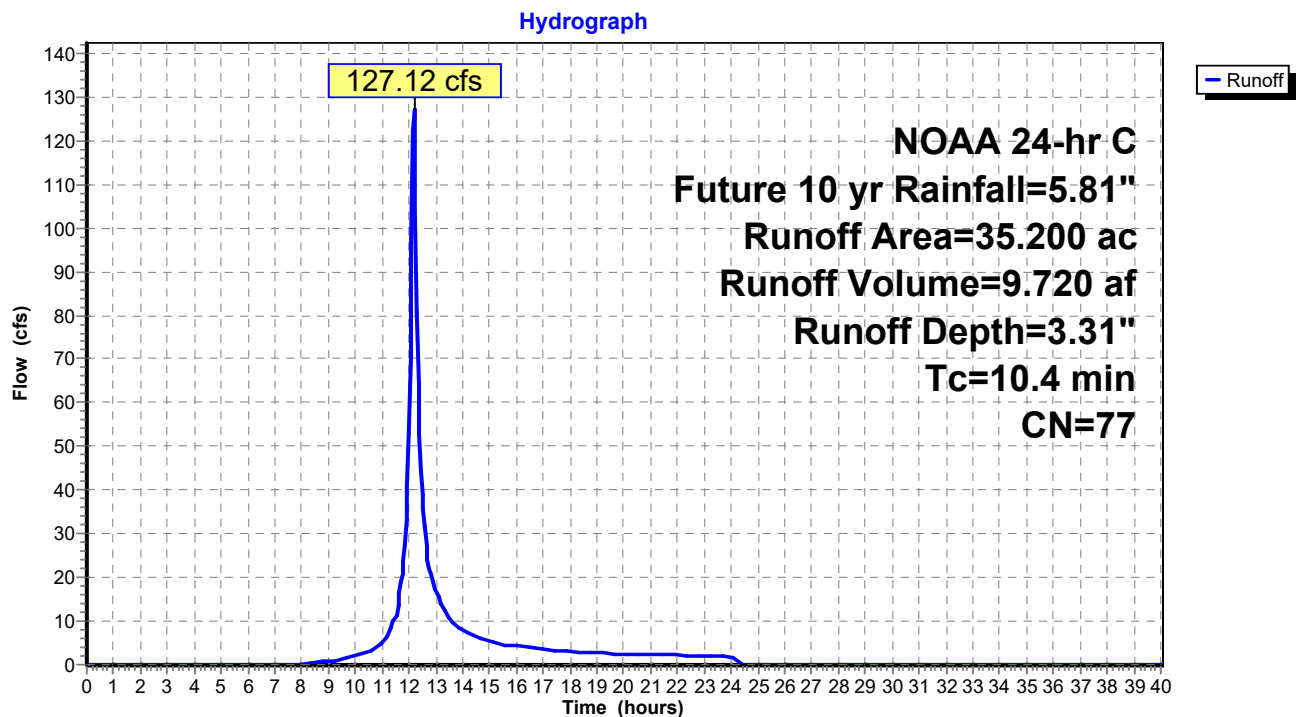
Runoff = 127.12 cfs @ 12.18 hrs, Volume= 9.720 af, Depth= 3.31"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.15
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.17
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.20
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.22
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.24
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.26
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.29
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.31
5.60	0.42	0.00	0.00	8.20	0.72	0.01	0.33
5.65	0.43	0.00	0.00	8.25	0.73	0.01	0.36
5.70	0.43	0.00	0.00	8.30	0.74	0.01	0.38
5.75	0.44	0.00	0.00	8.35	0.75	0.01	0.41
5.80	0.44	0.00	0.00	8.40	0.75	0.01	0.43
5.85	0.45	0.00	0.00	8.45	0.76	0.01	0.46
5.90	0.45	0.00	0.00	8.50	0.77	0.01	0.49
5.95	0.46	0.00	0.00	8.55	0.78	0.01	0.51
6.00	0.46	0.00	0.00	8.60	0.78	0.01	0.54
6.05	0.47	0.00	0.00	8.65	0.79	0.01	0.57
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.60
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.62
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.65
6.25	0.48	0.00	0.00	8.85	0.82	0.02	0.68
6.30	0.49	0.00	0.00	8.90	0.83	0.02	0.71
6.35	0.50	0.00	0.00	8.95	0.84	0.02	0.74
6.40	0.50	0.00	0.00	9.00	0.85	0.02	0.77
6.45	0.51	0.00	0.00	9.05	0.86	0.02	0.80
6.50	0.51	0.00	0.00	9.10	0.87	0.02	0.84
6.55	0.52	0.00	0.00	9.15	0.87	0.02	0.88
6.60	0.52	0.00	0.00	9.20	0.88	0.03	0.93
6.65	0.53	0.00	0.00	9.25	0.89	0.03	0.98
6.70	0.53	0.00	0.00	9.30	0.90	0.03	1.03
6.75	0.54	0.00	0.00	9.35	0.91	0.03	1.09
6.80	0.54	0.00	0.00	9.40	0.92	0.03	1.15
6.85	0.55	0.00	0.00	9.45	0.93	0.03	1.20
6.90	0.56	0.00	0.00	9.50	0.94	0.04	1.26
6.95	0.56	0.00	0.00	9.55	0.95	0.04	1.33
7.00	0.57	0.00	0.00	9.60	0.96	0.04	1.39
7.05	0.57	0.00	0.00	9.65	0.98	0.04	1.46
7.10	0.58	0.00	0.00	9.70	0.99	0.04	1.53
7.15	0.58	0.00	0.00	9.75	1.00	0.05	1.60
7.20	0.59	0.00	0.00	9.80	1.01	0.05	1.67
7.25	0.60	0.00	0.00	9.85	1.02	0.05	1.75
7.30	0.60	0.00	0.00	9.90	1.03	0.06	1.82
7.35	0.61	0.00	0.00	9.95	1.05	0.06	1.90
7.40	0.62	0.00	0.01	10.00	1.06	0.06	1.99
7.45	0.62	0.00	0.02	10.05	1.07	0.07	2.07
7.50	0.63	0.00	0.04	10.10	1.09	0.07	2.15
7.55	0.64	0.00	0.05	10.15	1.10	0.07	2.24
7.60	0.64	0.00	0.07	10.20	1.11	0.08	2.33
7.65	0.65	0.00	0.09	10.25	1.13	0.08	2.42
7.70	0.65	0.00	0.11	10.30	1.14	0.08	2.52
7.75	0.66	0.00	0.13	10.35	1.15	0.09	2.61

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.09	2.71	13.00	4.42	2.14	16.87
10.45	1.18	0.10	2.80	13.05	4.44	2.16	16.00
10.50	1.20	0.10	2.91	13.10	4.46	2.18	15.13
10.55	1.21	0.11	3.02	13.15	4.48	2.20	14.30
10.60	1.23	0.11	3.18	13.20	4.50	2.21	13.58
10.65	1.25	0.12	3.38	13.25	4.52	2.23	12.99
10.70	1.27	0.12	3.61	13.30	4.54	2.25	12.45
10.75	1.29	0.13	3.85	13.35	4.56	2.26	11.96
10.80	1.31	0.14	4.12	13.40	4.58	2.28	11.48
10.85	1.33	0.14	4.40	13.45	4.60	2.29	11.00
10.90	1.35	0.15	4.70	13.50	4.61	2.30	10.53
10.95	1.37	0.16	5.00	13.55	4.63	2.31	10.06
11.00	1.39	0.17	5.31	13.60	4.64	2.33	9.59
11.05	1.42	0.18	5.65	13.65	4.66	2.34	9.14
11.10	1.45	0.19	6.06	13.70	4.67	2.35	8.79
11.15	1.48	0.20	6.54	13.75	4.68	2.36	8.55
11.20	1.51	0.21	7.09	13.80	4.70	2.37	8.37
11.25	1.54	0.23	7.66	13.85	4.71	2.38	8.22
11.30	1.57	0.24	8.27	13.90	4.72	2.39	8.09
11.35	1.61	0.25	8.91	13.95	4.74	2.41	7.97
11.40	1.64	0.27	9.58	14.00	4.75	2.42	7.84
11.45	1.68	0.29	10.26	14.05	4.76	2.43	7.72
11.50	1.72	0.31	10.95	14.10	4.78	2.44	7.59
11.55	1.78	0.33	11.81	14.15	4.79	2.45	7.47
11.60	1.83	0.36	13.62	14.20	4.80	2.46	7.35
11.65	1.90	0.39	16.27	14.25	4.81	2.47	7.23
11.70	1.96	0.43	18.70	14.30	4.82	2.48	7.11
11.75	2.04	0.47	20.75	14.35	4.83	2.48	6.99
11.80	2.13	0.52	23.66	14.40	4.85	2.49	6.86
11.85	2.25	0.59	27.80	14.45	4.86	2.50	6.74
11.90	2.36	0.66	33.39	14.50	4.87	2.51	6.61
11.95	2.57	0.78	40.83	14.55	4.88	2.52	6.49
12.00	2.77	0.91	52.99	14.60	4.89	2.53	6.37
12.05	3.11	1.15	70.69	14.65	4.90	2.54	6.24
12.10	3.45	1.39	96.03	14.70	4.91	2.55	6.11
12.15	3.56	1.48	122.35	14.75	4.92	2.55	5.99
12.20	3.68	1.57	125.39	14.80	4.93	2.56	5.86
12.25	3.77	1.63	103.96	14.85	4.94	2.57	5.74
12.30	3.85	1.70	80.48	14.90	4.94	2.58	5.62
12.35	3.91	1.74	64.25	14.95	4.95	2.58	5.49
12.40	3.98	1.79	52.75	15.00	4.96	2.59	5.36
12.45	4.03	1.84	44.38	15.05	4.97	2.60	5.23
12.50	4.09	1.89	38.92	15.10	4.98	2.60	5.11
12.55	4.13	1.91	35.52	15.15	4.99	2.61	4.99
12.60	4.17	1.94	31.80	15.20	4.99	2.62	4.90
12.65	4.20	1.97	27.43	15.25	5.00	2.62	4.83
12.70	4.24	2.00	24.07	15.30	5.01	2.63	4.78
12.75	4.27	2.03	22.07	15.35	5.02	2.64	4.74
12.80	4.30	2.05	20.70	15.40	5.03	2.64	4.71
12.85	4.33	2.08	19.62	15.45	5.03	2.65	4.68
12.90	4.36	2.10	18.65	15.50	5.04	2.66	4.64
12.95	4.39	2.12	17.76	15.55	5.05	2.66	4.61

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.67	4.58	18.20	5.37	2.93	2.84
15.65	5.06	2.68	4.55	18.25	5.37	2.94	2.83
15.70	5.07	2.68	4.51	18.30	5.38	2.94	2.82
15.75	5.08	2.69	4.48	18.35	5.38	2.95	2.80
15.80	5.09	2.69	4.44	18.40	5.39	2.95	2.80
15.85	5.09	2.70	4.41	18.45	5.39	2.95	2.79
15.90	5.10	2.71	4.38	18.50	5.40	2.96	2.78
15.95	5.11	2.71	4.35	18.55	5.40	2.96	2.77
16.00	5.11	2.72	4.32	18.60	5.40	2.97	2.76
16.05	5.12	2.72	4.28	18.65	5.41	2.97	2.75
16.10	5.13	2.73	4.25	18.70	5.41	2.97	2.75
16.15	5.13	2.74	4.22	18.75	5.42	2.98	2.74
16.20	5.14	2.74	4.19	18.80	5.42	2.98	2.73
16.25	5.15	2.75	4.16	18.85	5.43	2.98	2.72
16.30	5.16	2.75	4.12	18.90	5.43	2.99	2.71
16.35	5.16	2.76	4.08	18.95	5.44	2.99	2.70
16.40	5.17	2.76	4.05	19.00	5.44	3.00	2.70
16.45	5.17	2.77	4.02	19.05	5.44	3.00	2.69
16.50	5.18	2.78	3.98	19.10	5.45	3.00	2.68
16.55	5.19	2.78	3.95	19.15	5.45	3.01	2.67
16.60	5.19	2.79	3.91	19.20	5.46	3.01	2.66
16.65	5.20	2.79	3.88	19.25	5.46	3.01	2.65
16.70	5.21	2.80	3.85	19.30	5.47	3.02	2.65
16.75	5.21	2.80	3.82	19.35	5.47	3.02	2.64
16.80	5.22	2.81	3.78	19.40	5.48	3.03	2.63
16.85	5.23	2.81	3.75	19.45	5.48	3.03	2.62
16.90	5.23	2.82	3.71	19.50	5.48	3.03	2.61
16.95	5.24	2.82	3.68	19.55	5.49	3.04	2.60
17.00	5.24	2.83	3.65	19.60	5.49	3.04	2.60
17.05	5.25	2.83	3.62	19.65	5.50	3.04	2.59
17.10	5.25	2.84	3.59	19.70	5.50	3.05	2.58
17.15	5.26	2.84	3.55	19.75	5.50	3.05	2.57
17.20	5.27	2.85	3.52	19.80	5.51	3.05	2.57
17.25	5.27	2.85	3.48	19.85	5.51	3.06	2.56
17.30	5.28	2.86	3.45	19.90	5.52	3.06	2.56
17.35	5.28	2.86	3.41	19.95	5.52	3.06	2.54
17.40	5.29	2.87	3.37	20.00	5.53	3.07	2.53
17.45	5.29	2.87	3.34	20.05	5.53	3.07	2.52
17.50	5.30	2.88	3.31	20.10	5.53	3.08	2.51
17.55	5.30	2.88	3.28	20.15	5.54	3.08	2.50
17.60	5.31	2.88	3.24	20.20	5.54	3.08	2.50
17.65	5.31	2.89	3.21	20.25	5.55	3.09	2.49
17.70	5.32	2.89	3.18	20.30	5.55	3.09	2.48
17.75	5.33	2.90	3.14	20.35	5.55	3.09	2.47
17.80	5.33	2.90	3.11	20.40	5.56	3.10	2.46
17.85	5.34	2.91	3.07	20.45	5.56	3.10	2.45
17.90	5.34	2.91	3.04	20.50	5.57	3.10	2.45
17.95	5.34	2.91	3.01	20.55	5.57	3.11	2.44
18.00	5.35	2.92	2.97	20.60	5.57	3.11	2.43
18.05	5.35	2.92	2.94	20.65	5.58	3.11	2.43
18.10	5.36	2.93	2.90	20.70	5.58	3.12	2.42
18.15	5.36	2.93	2.87	20.75	5.59	3.12	2.41

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	3.12	2.40	23.40	5.77	3.28	1.95
20.85	5.59	3.13	2.39	23.45	5.78	3.28	1.95
20.90	5.60	3.13	2.38	23.50	5.78	3.29	1.94
20.95	5.60	3.13	2.37	23.55	5.78	3.29	1.93
21.00	5.61	3.14	2.36	23.60	5.78	3.29	1.92
21.05	5.61	3.14	2.35	23.65	5.79	3.29	1.91
21.10	5.61	3.14	2.34	23.70	5.79	3.30	1.90
21.15	5.62	3.15	2.34	23.75	5.79	3.30	1.90
21.20	5.62	3.15	2.33	23.80	5.80	3.30	1.89
21.25	5.62	3.15	2.32	23.85	5.80	3.30	1.88
21.30	5.63	3.16	2.31	23.90	5.80	3.31	1.86
21.35	5.63	3.16	2.31	23.95	5.81	3.31	1.87
21.40	5.64	3.16	2.30	24.00	5.81	3.31	1.94
21.45	5.64	3.17	2.29	24.05	5.81	3.31	2.00
21.50	5.64	3.17	2.28	24.10	5.81	3.31	1.69
21.55	5.65	3.17	2.27	24.15	5.81	3.31	1.06
21.60	5.65	3.18	2.26	24.20	5.81	3.31	0.54
21.65	5.65	3.18	2.25	24.25	5.81	3.31	0.26
21.70	5.66	3.18	2.24	24.30	5.81	3.31	0.13
21.75	5.66	3.18	2.23	24.35	5.81	3.31	0.06
21.80	5.66	3.19	2.23	24.40	5.81	3.31	0.03
21.85	5.67	3.19	2.22	24.45	5.81	3.31	0.01
21.90	5.67	3.19	2.22	24.50	5.81	3.31	0.01
21.95	5.68	3.20	2.20	24.55	5.81	3.31	0.00
22.00	5.68	3.20	2.19	24.60	5.81	3.31	0.00
22.05	5.68	3.20	2.18	24.65	5.81	3.31	0.00
22.10	5.69	3.21	2.17	24.70	5.81	3.31	0.00
22.15	5.69	3.21	2.17	24.75	5.81	3.31	0.00
22.20	5.69	3.21	2.16	24.80	5.81	3.31	0.00
22.25	5.70	3.22	2.16	24.85	5.81	3.31	0.00
22.30	5.70	3.22	2.15	24.90	5.81	3.31	0.00
22.35	5.70	3.22	2.14	24.95	5.81	3.31	0.00
22.40	5.71	3.22	2.12	25.00	5.81	3.31	0.00
22.45	5.71	3.23	2.11	25.05	5.81	3.31	0.00
22.50	5.71	3.23	2.10	25.10	5.81	3.31	0.00
22.55	5.72	3.23	2.10	25.15	5.81	3.31	0.00
22.60	5.72	3.24	2.09	25.20	5.81	3.31	0.00
22.65	5.72	3.24	2.09	25.25	5.81	3.31	0.00
22.70	5.73	3.24	2.08	25.30	5.81	3.31	0.00
22.75	5.73	3.24	2.07	25.35	5.81	3.31	0.00
22.80	5.73	3.25	2.06	25.40	5.81	3.31	0.00
22.85	5.74	3.25	2.04	25.45	5.81	3.31	0.00
22.90	5.74	3.25	2.04	25.50	5.81	3.31	0.00
22.95	5.74	3.26	2.03	25.55	5.81	3.31	0.00
23.00	5.75	3.26	2.02	25.60	5.81	3.31	0.00
23.05	5.75	3.26	2.02	25.65	5.81	3.31	0.00
23.10	5.75	3.26	2.01	25.70	5.81	3.31	0.00
23.15	5.76	3.27	2.00	25.75	5.81	3.31	0.00
23.20	5.76	3.27	1.99	25.80	5.81	3.31	0.00
23.25	5.76	3.27	1.98	25.85	5.81	3.31	0.00
23.30	5.77	3.28	1.97	25.90	5.81	3.31	0.00
23.35	5.77	3.28	1.96	25.95	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.31	0.00	28.60	5.81	3.31	0.00
26.05	5.81	3.31	0.00	28.65	5.81	3.31	0.00
26.10	5.81	3.31	0.00	28.70	5.81	3.31	0.00
26.15	5.81	3.31	0.00	28.75	5.81	3.31	0.00
26.20	5.81	3.31	0.00	28.80	5.81	3.31	0.00
26.25	5.81	3.31	0.00	28.85	5.81	3.31	0.00
26.30	5.81	3.31	0.00	28.90	5.81	3.31	0.00
26.35	5.81	3.31	0.00	28.95	5.81	3.31	0.00
26.40	5.81	3.31	0.00	29.00	5.81	3.31	0.00
26.45	5.81	3.31	0.00	29.05	5.81	3.31	0.00
26.50	5.81	3.31	0.00	29.10	5.81	3.31	0.00
26.55	5.81	3.31	0.00	29.15	5.81	3.31	0.00
26.60	5.81	3.31	0.00	29.20	5.81	3.31	0.00
26.65	5.81	3.31	0.00	29.25	5.81	3.31	0.00
26.70	5.81	3.31	0.00	29.30	5.81	3.31	0.00
26.75	5.81	3.31	0.00	29.35	5.81	3.31	0.00
26.80	5.81	3.31	0.00	29.40	5.81	3.31	0.00
26.85	5.81	3.31	0.00	29.45	5.81	3.31	0.00
26.90	5.81	3.31	0.00	29.50	5.81	3.31	0.00
26.95	5.81	3.31	0.00	29.55	5.81	3.31	0.00
27.00	5.81	3.31	0.00	29.60	5.81	3.31	0.00
27.05	5.81	3.31	0.00	29.65	5.81	3.31	0.00
27.10	5.81	3.31	0.00	29.70	5.81	3.31	0.00
27.15	5.81	3.31	0.00	29.75	5.81	3.31	0.00
27.20	5.81	3.31	0.00	29.80	5.81	3.31	0.00
27.25	5.81	3.31	0.00	29.85	5.81	3.31	0.00
27.30	5.81	3.31	0.00	29.90	5.81	3.31	0.00
27.35	5.81	3.31	0.00	29.95	5.81	3.31	0.00
27.40	5.81	3.31	0.00	30.00	5.81	3.31	0.00
27.45	5.81	3.31	0.00	30.05	5.81	3.31	0.00
27.50	5.81	3.31	0.00	30.10	5.81	3.31	0.00
27.55	5.81	3.31	0.00	30.15	5.81	3.31	0.00
27.60	5.81	3.31	0.00	30.20	5.81	3.31	0.00
27.65	5.81	3.31	0.00	30.25	5.81	3.31	0.00
27.70	5.81	3.31	0.00	30.30	5.81	3.31	0.00
27.75	5.81	3.31	0.00	30.35	5.81	3.31	0.00
27.80	5.81	3.31	0.00	30.40	5.81	3.31	0.00
27.85	5.81	3.31	0.00	30.45	5.81	3.31	0.00
27.90	5.81	3.31	0.00	30.50	5.81	3.31	0.00
27.95	5.81	3.31	0.00	30.55	5.81	3.31	0.00
28.00	5.81	3.31	0.00	30.60	5.81	3.31	0.00
28.05	5.81	3.31	0.00	30.65	5.81	3.31	0.00
28.10	5.81	3.31	0.00	30.70	5.81	3.31	0.00
28.15	5.81	3.31	0.00	30.75	5.81	3.31	0.00
28.20	5.81	3.31	0.00	30.80	5.81	3.31	0.00
28.25	5.81	3.31	0.00	30.85	5.81	3.31	0.00
28.30	5.81	3.31	0.00	30.90	5.81	3.31	0.00
28.35	5.81	3.31	0.00	30.95	5.81	3.31	0.00
28.40	5.81	3.31	0.00	31.00	5.81	3.31	0.00
28.45	5.81	3.31	0.00	31.05	5.81	3.31	0.00
28.50	5.81	3.31	0.00	31.10	5.81	3.31	0.00
28.55	5.81	3.31	0.00	31.15	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.31	0.00	33.80	5.81	3.31	0.00
31.25	5.81	3.31	0.00	33.85	5.81	3.31	0.00
31.30	5.81	3.31	0.00	33.90	5.81	3.31	0.00
31.35	5.81	3.31	0.00	33.95	5.81	3.31	0.00
31.40	5.81	3.31	0.00	34.00	5.81	3.31	0.00
31.45	5.81	3.31	0.00	34.05	5.81	3.31	0.00
31.50	5.81	3.31	0.00	34.10	5.81	3.31	0.00
31.55	5.81	3.31	0.00	34.15	5.81	3.31	0.00
31.60	5.81	3.31	0.00	34.20	5.81	3.31	0.00
31.65	5.81	3.31	0.00	34.25	5.81	3.31	0.00
31.70	5.81	3.31	0.00	34.30	5.81	3.31	0.00
31.75	5.81	3.31	0.00	34.35	5.81	3.31	0.00
31.80	5.81	3.31	0.00	34.40	5.81	3.31	0.00
31.85	5.81	3.31	0.00	34.45	5.81	3.31	0.00
31.90	5.81	3.31	0.00	34.50	5.81	3.31	0.00
31.95	5.81	3.31	0.00	34.55	5.81	3.31	0.00
32.00	5.81	3.31	0.00	34.60	5.81	3.31	0.00
32.05	5.81	3.31	0.00	34.65	5.81	3.31	0.00
32.10	5.81	3.31	0.00	34.70	5.81	3.31	0.00
32.15	5.81	3.31	0.00	34.75	5.81	3.31	0.00
32.20	5.81	3.31	0.00	34.80	5.81	3.31	0.00
32.25	5.81	3.31	0.00	34.85	5.81	3.31	0.00
32.30	5.81	3.31	0.00	34.90	5.81	3.31	0.00
32.35	5.81	3.31	0.00	34.95	5.81	3.31	0.00
32.40	5.81	3.31	0.00	35.00	5.81	3.31	0.00
32.45	5.81	3.31	0.00	35.05	5.81	3.31	0.00
32.50	5.81	3.31	0.00	35.10	5.81	3.31	0.00
32.55	5.81	3.31	0.00	35.15	5.81	3.31	0.00
32.60	5.81	3.31	0.00	35.20	5.81	3.31	0.00
32.65	5.81	3.31	0.00	35.25	5.81	3.31	0.00
32.70	5.81	3.31	0.00	35.30	5.81	3.31	0.00
32.75	5.81	3.31	0.00	35.35	5.81	3.31	0.00
32.80	5.81	3.31	0.00	35.40	5.81	3.31	0.00
32.85	5.81	3.31	0.00	35.45	5.81	3.31	0.00
32.90	5.81	3.31	0.00	35.50	5.81	3.31	0.00
32.95	5.81	3.31	0.00	35.55	5.81	3.31	0.00
33.00	5.81	3.31	0.00	35.60	5.81	3.31	0.00
33.05	5.81	3.31	0.00	35.65	5.81	3.31	0.00
33.10	5.81	3.31	0.00	35.70	5.81	3.31	0.00
33.15	5.81	3.31	0.00	35.75	5.81	3.31	0.00
33.20	5.81	3.31	0.00	35.80	5.81	3.31	0.00
33.25	5.81	3.31	0.00	35.85	5.81	3.31	0.00
33.30	5.81	3.31	0.00	35.90	5.81	3.31	0.00
33.35	5.81	3.31	0.00	35.95	5.81	3.31	0.00
33.40	5.81	3.31	0.00	36.00	5.81	3.31	0.00
33.45	5.81	3.31	0.00	36.05	5.81	3.31	0.00
33.50	5.81	3.31	0.00	36.10	5.81	3.31	0.00
33.55	5.81	3.31	0.00	36.15	5.81	3.31	0.00
33.60	5.81	3.31	0.00	36.20	5.81	3.31	0.00
33.65	5.81	3.31	0.00	36.25	5.81	3.31	0.00
33.70	5.81	3.31	0.00	36.30	5.81	3.31	0.00
33.75	5.81	3.31	0.00	36.35	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.31	0.00	39.00	5.81	3.31	0.00
36.45	5.81	3.31	0.00	39.05	5.81	3.31	0.00
36.50	5.81	3.31	0.00	39.10	5.81	3.31	0.00
36.55	5.81	3.31	0.00	39.15	5.81	3.31	0.00
36.60	5.81	3.31	0.00	39.20	5.81	3.31	0.00
36.65	5.81	3.31	0.00	39.25	5.81	3.31	0.00
36.70	5.81	3.31	0.00	39.30	5.81	3.31	0.00
36.75	5.81	3.31	0.00	39.35	5.81	3.31	0.00
36.80	5.81	3.31	0.00	39.40	5.81	3.31	0.00
36.85	5.81	3.31	0.00	39.45	5.81	3.31	0.00
36.90	5.81	3.31	0.00	39.50	5.81	3.31	0.00
36.95	5.81	3.31	0.00	39.55	5.81	3.31	0.00
37.00	5.81	3.31	0.00	39.60	5.81	3.31	0.00
37.05	5.81	3.31	0.00	39.65	5.81	3.31	0.00
37.10	5.81	3.31	0.00	39.70	5.81	3.31	0.00
37.15	5.81	3.31	0.00	39.75	5.81	3.31	0.00
37.20	5.81	3.31	0.00	39.80	5.81	3.31	0.00
37.25	5.81	3.31	0.00	39.85	5.81	3.31	0.00
37.30	5.81	3.31	0.00	39.90	5.81	3.31	0.00
37.35	5.81	3.31	0.00	39.95	5.81	3.31	0.00
37.40	5.81	3.31	0.00	40.00	5.81	3.31	0.00
37.45	5.81	3.31	0.00				
37.50	5.81	3.31	0.00				
37.55	5.81	3.31	0.00				
37.60	5.81	3.31	0.00				
37.65	5.81	3.31	0.00				
37.70	5.81	3.31	0.00				
37.75	5.81	3.31	0.00				
37.80	5.81	3.31	0.00				
37.85	5.81	3.31	0.00				
37.90	5.81	3.31	0.00				
37.95	5.81	3.31	0.00				
38.00	5.81	3.31	0.00				
38.05	5.81	3.31	0.00				
38.10	5.81	3.31	0.00				
38.15	5.81	3.31	0.00				
38.20	5.81	3.31	0.00				
38.25	5.81	3.31	0.00				
38.30	5.81	3.31	0.00				
38.35	5.81	3.31	0.00				
38.40	5.81	3.31	0.00				
38.45	5.81	3.31	0.00				
38.50	5.81	3.31	0.00				
38.55	5.81	3.31	0.00				
38.60	5.81	3.31	0.00				
38.65	5.81	3.31	0.00				
38.70	5.81	3.31	0.00				
38.75	5.81	3.31	0.00				
38.80	5.81	3.31	0.00				
38.85	5.81	3.31	0.00				
38.90	5.81	3.31	0.00				
38.95	5.81	3.31	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 103.91 cfs @ 12.09 hrs, Volume= 5.932 af, Depth= 3.22"
Routed to Link XDA-3 : Existing Drainage Area #3

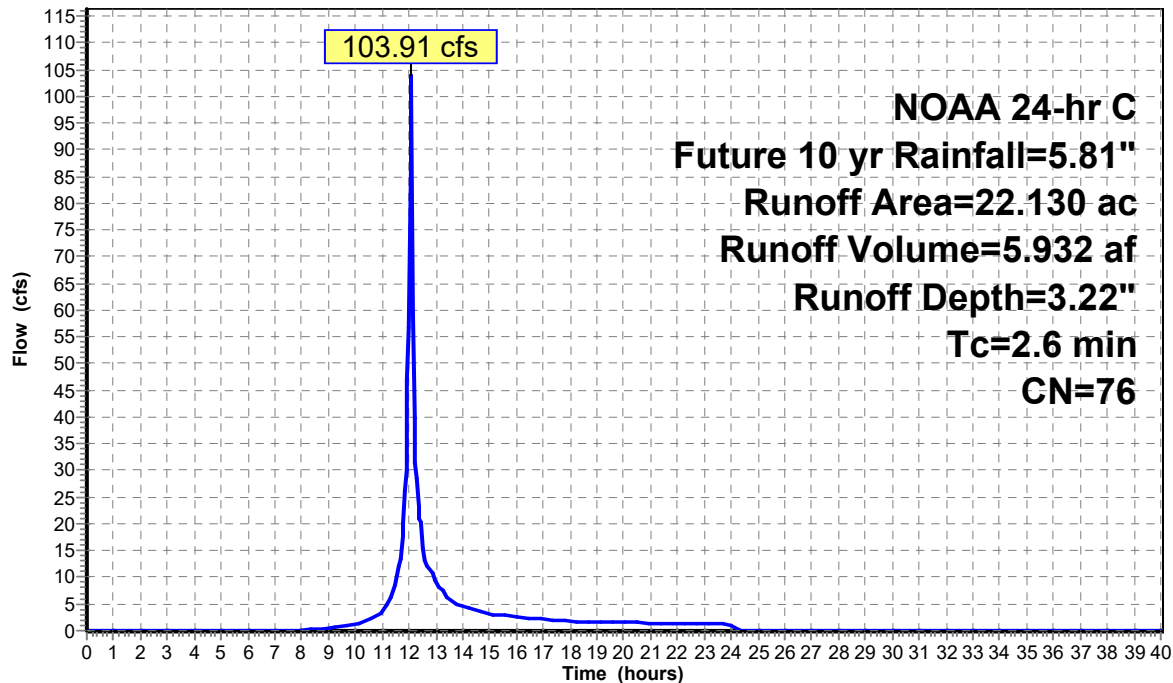
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.06
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.07
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.09
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.10
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.11
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.13
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.14
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.16
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.17
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.19
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.20
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.22
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.23
5.85	0.45	0.00	0.00	8.45	0.76	0.01	0.25
5.90	0.45	0.00	0.00	8.50	0.77	0.01	0.27
5.95	0.46	0.00	0.00	8.55	0.78	0.01	0.28
6.00	0.46	0.00	0.00	8.60	0.78	0.01	0.30
6.05	0.47	0.00	0.00	8.65	0.79	0.01	0.32
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.33
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.35
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.37
6.25	0.48	0.00	0.00	8.85	0.82	0.01	0.39
6.30	0.49	0.00	0.00	8.90	0.83	0.01	0.40
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.42
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.44
6.45	0.51	0.00	0.00	9.05	0.86	0.02	0.47
6.50	0.51	0.00	0.00	9.10	0.87	0.02	0.50
6.55	0.52	0.00	0.00	9.15	0.87	0.02	0.53
6.60	0.52	0.00	0.00	9.20	0.88	0.02	0.56
6.65	0.53	0.00	0.00	9.25	0.89	0.02	0.60
6.70	0.53	0.00	0.00	9.30	0.90	0.02	0.63
6.75	0.54	0.00	0.00	9.35	0.91	0.02	0.67
6.80	0.54	0.00	0.00	9.40	0.92	0.02	0.70
6.85	0.55	0.00	0.00	9.45	0.93	0.03	0.74
6.90	0.56	0.00	0.00	9.50	0.94	0.03	0.77
6.95	0.56	0.00	0.00	9.55	0.95	0.03	0.82
7.00	0.57	0.00	0.00	9.60	0.96	0.03	0.85
7.05	0.57	0.00	0.00	9.65	0.98	0.03	0.90
7.10	0.58	0.00	0.00	9.70	0.99	0.04	0.94
7.15	0.58	0.00	0.00	9.75	1.00	0.04	0.99
7.20	0.59	0.00	0.00	9.80	1.01	0.04	1.03
7.25	0.60	0.00	0.00	9.85	1.02	0.04	1.09
7.30	0.60	0.00	0.00	9.90	1.03	0.05	1.13
7.35	0.61	0.00	0.00	9.95	1.05	0.05	1.18
7.40	0.62	0.00	0.00	10.00	1.06	0.05	1.23
7.45	0.62	0.00	0.00	10.05	1.07	0.05	1.29
7.50	0.63	0.00	0.00	10.10	1.09	0.06	1.33
7.55	0.64	0.00	0.00	10.15	1.10	0.06	1.40
7.60	0.64	0.00	0.01	10.20	1.11	0.06	1.45
7.65	0.65	0.00	0.02	10.25	1.13	0.07	1.51
7.70	0.65	0.00	0.03	10.30	1.14	0.07	1.56
7.75	0.66	0.00	0.05	10.35	1.15	0.07	1.63

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.08	1.68	13.00	4.42	2.06	9.23
10.45	1.18	0.08	1.76	13.05	4.44	2.08	8.50
10.50	1.20	0.09	1.82	13.10	4.46	2.10	8.17
10.55	1.21	0.09	2.00	13.15	4.48	2.12	7.77
10.60	1.23	0.10	2.11	13.20	4.50	2.13	7.59
10.65	1.25	0.10	2.30	13.25	4.52	2.15	7.20
10.70	1.27	0.11	2.42	13.30	4.54	2.16	7.02
10.75	1.29	0.11	2.64	13.35	4.56	2.18	6.62
10.80	1.31	0.12	2.77	13.40	4.58	2.19	6.44
10.85	1.33	0.13	3.00	13.45	4.60	2.21	6.04
10.90	1.35	0.13	3.14	13.50	4.61	2.22	5.86
10.95	1.37	0.14	3.39	13.55	4.63	2.23	5.46
11.00	1.39	0.15	3.56	13.60	4.64	2.24	5.29
11.05	1.42	0.16	3.97	13.65	4.66	2.26	5.17
11.10	1.45	0.17	4.22	13.70	4.67	2.27	5.12
11.15	1.48	0.18	4.68	13.75	4.68	2.28	5.02
11.20	1.51	0.19	4.96	13.80	4.70	2.29	4.98
11.25	1.54	0.20	5.45	13.85	4.71	2.30	4.88
11.30	1.57	0.21	5.76	13.90	4.72	2.31	4.84
11.35	1.61	0.23	6.29	13.95	4.74	2.32	4.73
11.40	1.64	0.24	6.63	14.00	4.75	2.33	4.68
11.45	1.68	0.26	7.10	14.05	4.76	2.34	4.57
11.50	1.72	0.28	7.51	14.10	4.78	2.35	4.53
11.55	1.78	0.30	10.51	14.15	4.79	2.36	4.43
11.60	1.83	0.33	12.10	14.20	4.80	2.37	4.39
11.65	1.90	0.36	13.00	14.25	4.81	2.38	4.28
11.70	1.96	0.39	13.71	14.30	4.82	2.39	4.23
11.75	2.04	0.44	17.65	14.35	4.83	2.40	4.12
11.80	2.13	0.48	20.00	14.40	4.85	2.41	4.07
11.85	2.25	0.55	26.17	14.45	4.86	2.42	3.97
11.90	2.36	0.61	30.17	14.50	4.87	2.43	3.93
11.95	2.57	0.73	46.73	14.55	4.88	2.43	3.82
12.00	2.77	0.86	56.86	14.60	4.89	2.44	3.76
12.05	3.11	1.09	87.10	14.65	4.90	2.45	3.66
12.10	3.45	1.33	102.27	14.70	4.91	2.46	3.61
12.15	3.56	1.41	59.53	14.75	4.92	2.47	3.51
12.20	3.68	1.50	39.50	14.80	4.93	2.47	3.46
12.25	3.77	1.56	31.48	14.85	4.94	2.48	3.35
12.30	3.85	1.63	28.36	14.90	4.94	2.49	3.30
12.35	3.91	1.67	23.24	14.95	4.95	2.50	3.19
12.40	3.98	1.72	21.09	15.00	4.96	2.50	3.14
12.45	4.03	1.76	20.38	15.05	4.97	2.51	3.04
12.50	4.09	1.81	20.00	15.10	4.98	2.52	3.00
12.55	4.13	1.84	15.30	15.15	4.99	2.52	2.96
12.60	4.17	1.87	13.23	15.20	4.99	2.53	2.95
12.65	4.20	1.90	12.59	15.25	5.00	2.54	2.92
12.70	4.24	1.92	12.36	15.30	5.01	2.54	2.91
12.75	4.27	1.95	11.65	15.35	5.02	2.55	2.89
12.80	4.30	1.98	11.33	15.40	5.03	2.56	2.88
12.85	4.33	2.00	10.62	15.45	5.03	2.56	2.84
12.90	4.36	2.02	10.30	15.50	5.04	2.57	2.83
12.95	4.39	2.04	9.56	15.55	5.05	2.58	2.80

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.58	2.80	18.20	5.37	2.84	1.74
15.65	5.06	2.59	2.76	18.25	5.37	2.85	1.74
15.70	5.07	2.59	2.74	18.30	5.38	2.85	1.73
15.75	5.08	2.60	2.72	18.35	5.38	2.85	1.72
15.80	5.09	2.61	2.70	18.40	5.39	2.86	1.72
15.85	5.09	2.61	2.68	18.45	5.39	2.86	1.71
15.90	5.10	2.62	2.67	18.50	5.40	2.87	1.71
15.95	5.11	2.62	2.64	18.55	5.40	2.87	1.70
16.00	5.11	2.63	2.62	18.60	5.40	2.87	1.70
16.05	5.12	2.64	2.60	18.65	5.41	2.88	1.69
16.10	5.13	2.64	2.59	18.70	5.41	2.88	1.69
16.15	5.13	2.65	2.56	18.75	5.42	2.88	1.68
16.20	5.14	2.65	2.55	18.80	5.42	2.89	1.68
16.25	5.15	2.66	2.51	18.85	5.43	2.89	1.67
16.30	5.16	2.66	2.50	18.90	5.43	2.90	1.67
16.35	5.16	2.67	2.48	18.95	5.44	2.90	1.66
16.40	5.17	2.67	2.47	19.00	5.44	2.90	1.66
16.45	5.17	2.68	2.43	19.05	5.44	2.91	1.65
16.50	5.18	2.69	2.42	19.10	5.45	2.91	1.65
16.55	5.19	2.69	2.39	19.15	5.45	2.91	1.64
16.60	5.19	2.70	2.38	19.20	5.46	2.92	1.64
16.65	5.20	2.70	2.36	19.25	5.46	2.92	1.63
16.70	5.21	2.71	2.34	19.30	5.47	2.92	1.63
16.75	5.21	2.71	2.31	19.35	5.47	2.93	1.62
16.80	5.22	2.72	2.29	19.40	5.48	2.93	1.62
16.85	5.23	2.72	2.27	19.45	5.48	2.94	1.61
16.90	5.23	2.73	2.26	19.50	5.48	2.94	1.61
16.95	5.24	2.73	2.23	19.55	5.49	2.94	1.60
17.00	5.24	2.74	2.22	19.60	5.49	2.95	1.60
17.05	5.25	2.74	2.19	19.65	5.50	2.95	1.59
17.10	5.25	2.75	2.18	19.70	5.50	2.95	1.59
17.15	5.26	2.75	2.15	19.75	5.50	2.96	1.59
17.20	5.27	2.76	2.13	19.80	5.51	2.96	1.59
17.25	5.27	2.76	2.10	19.85	5.51	2.96	1.57
17.30	5.28	2.77	2.08	19.90	5.52	2.97	1.57
17.35	5.28	2.77	2.06	19.95	5.52	2.97	1.56
17.40	5.29	2.78	2.05	20.00	5.53	2.97	1.56
17.45	5.29	2.78	2.02	20.05	5.53	2.98	1.55
17.50	5.30	2.78	2.01	20.10	5.53	2.98	1.55
17.55	5.30	2.79	1.98	20.15	5.54	2.99	1.54
17.60	5.31	2.79	1.96	20.20	5.54	2.99	1.54
17.65	5.31	2.80	1.94	20.25	5.55	2.99	1.53
17.70	5.32	2.80	1.92	20.30	5.55	3.00	1.53
17.75	5.33	2.81	1.89	20.35	5.55	3.00	1.52
17.80	5.33	2.81	1.88	20.40	5.56	3.00	1.52
17.85	5.34	2.81	1.85	20.45	5.56	3.01	1.51
17.90	5.34	2.82	1.84	20.50	5.57	3.01	1.51
17.95	5.34	2.82	1.81	20.55	5.57	3.01	1.51
18.00	5.35	2.83	1.79	20.60	5.57	3.02	1.51
18.05	5.35	2.83	1.77	20.65	5.58	3.02	1.49
18.10	5.36	2.83	1.75	20.70	5.58	3.02	1.48
18.15	5.36	2.84	1.75	20.75	5.59	3.03	1.48

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	3.03	1.47	23.40	5.77	3.18	1.21
20.85	5.59	3.03	1.47	23.45	5.78	3.19	1.19
20.90	5.60	3.04	1.46	23.50	5.78	3.19	1.19
20.95	5.60	3.04	1.46	23.55	5.78	3.19	1.18
21.00	5.61	3.04	1.45	23.60	5.78	3.19	1.18
21.05	5.61	3.05	1.45	23.65	5.79	3.20	1.18
21.10	5.61	3.05	1.44	23.70	5.79	3.20	1.18
21.15	5.62	3.05	1.44	23.75	5.79	3.20	1.16
21.20	5.62	3.05	1.43	23.80	5.80	3.21	1.15
21.25	5.62	3.06	1.43	23.85	5.80	3.21	1.15
21.30	5.63	3.06	1.43	23.90	5.80	3.21	1.15
21.35	5.63	3.06	1.42	23.95	5.81	3.21	1.33
21.40	5.64	3.07	1.41	24.00	5.81	3.22	1.38
21.45	5.64	3.07	1.40	24.05	5.81	3.22	0.44
21.50	5.64	3.07	1.40	24.10	5.81	3.22	0.03
21.55	5.65	3.08	1.39	24.15	5.81	3.22	0.00
21.60	5.65	3.08	1.39	24.20	5.81	3.22	0.00
21.65	5.65	3.08	1.38	24.25	5.81	3.22	0.00
21.70	5.66	3.09	1.38	24.30	5.81	3.22	0.00
21.75	5.66	3.09	1.38	24.35	5.81	3.22	0.00
21.80	5.66	3.09	1.38	24.40	5.81	3.22	0.00
21.85	5.67	3.10	1.36	24.45	5.81	3.22	0.00
21.90	5.67	3.10	1.36	24.50	5.81	3.22	0.00
21.95	5.68	3.10	1.35	24.55	5.81	3.22	0.00
22.00	5.68	3.10	1.35	24.60	5.81	3.22	0.00
22.05	5.68	3.11	1.34	24.65	5.81	3.22	0.00
22.10	5.69	3.11	1.34	24.70	5.81	3.22	0.00
22.15	5.69	3.11	1.34	24.75	5.81	3.22	0.00
22.20	5.69	3.12	1.34	24.80	5.81	3.22	0.00
22.25	5.70	3.12	1.32	24.85	5.81	3.22	0.00
22.30	5.70	3.12	1.32	24.90	5.81	3.22	0.00
22.35	5.70	3.13	1.31	24.95	5.81	3.22	0.00
22.40	5.71	3.13	1.30	25.00	5.81	3.22	0.00
22.45	5.71	3.13	1.30	25.05	5.81	3.22	0.00
22.50	5.71	3.13	1.29	25.10	5.81	3.22	0.00
22.55	5.72	3.14	1.29	25.15	5.81	3.22	0.00
22.60	5.72	3.14	1.29	25.20	5.81	3.22	0.00
22.65	5.72	3.14	1.28	25.25	5.81	3.22	0.00
22.70	5.73	3.15	1.27	25.30	5.81	3.22	0.00
22.75	5.73	3.15	1.27	25.35	5.81	3.22	0.00
22.80	5.73	3.15	1.26	25.40	5.81	3.22	0.00
22.85	5.74	3.15	1.25	25.45	5.81	3.22	0.00
22.90	5.74	3.16	1.25	25.50	5.81	3.22	0.00
22.95	5.74	3.16	1.25	25.55	5.81	3.22	0.00
23.00	5.75	3.16	1.25	25.60	5.81	3.22	0.00
23.05	5.75	3.17	1.24	25.65	5.81	3.22	0.00
23.10	5.75	3.17	1.23	25.70	5.81	3.22	0.00
23.15	5.76	3.17	1.22	25.75	5.81	3.22	0.00
23.20	5.76	3.17	1.22	25.80	5.81	3.22	0.00
23.25	5.76	3.18	1.21	25.85	5.81	3.22	0.00
23.30	5.77	3.18	1.21	25.90	5.81	3.22	0.00
23.35	5.77	3.18	1.21	25.95	5.81	3.22	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.22	0.00	28.60	5.81	3.22	0.00
26.05	5.81	3.22	0.00	28.65	5.81	3.22	0.00
26.10	5.81	3.22	0.00	28.70	5.81	3.22	0.00
26.15	5.81	3.22	0.00	28.75	5.81	3.22	0.00
26.20	5.81	3.22	0.00	28.80	5.81	3.22	0.00
26.25	5.81	3.22	0.00	28.85	5.81	3.22	0.00
26.30	5.81	3.22	0.00	28.90	5.81	3.22	0.00
26.35	5.81	3.22	0.00	28.95	5.81	3.22	0.00
26.40	5.81	3.22	0.00	29.00	5.81	3.22	0.00
26.45	5.81	3.22	0.00	29.05	5.81	3.22	0.00
26.50	5.81	3.22	0.00	29.10	5.81	3.22	0.00
26.55	5.81	3.22	0.00	29.15	5.81	3.22	0.00
26.60	5.81	3.22	0.00	29.20	5.81	3.22	0.00
26.65	5.81	3.22	0.00	29.25	5.81	3.22	0.00
26.70	5.81	3.22	0.00	29.30	5.81	3.22	0.00
26.75	5.81	3.22	0.00	29.35	5.81	3.22	0.00
26.80	5.81	3.22	0.00	29.40	5.81	3.22	0.00
26.85	5.81	3.22	0.00	29.45	5.81	3.22	0.00
26.90	5.81	3.22	0.00	29.50	5.81	3.22	0.00
26.95	5.81	3.22	0.00	29.55	5.81	3.22	0.00
27.00	5.81	3.22	0.00	29.60	5.81	3.22	0.00
27.05	5.81	3.22	0.00	29.65	5.81	3.22	0.00
27.10	5.81	3.22	0.00	29.70	5.81	3.22	0.00
27.15	5.81	3.22	0.00	29.75	5.81	3.22	0.00
27.20	5.81	3.22	0.00	29.80	5.81	3.22	0.00
27.25	5.81	3.22	0.00	29.85	5.81	3.22	0.00
27.30	5.81	3.22	0.00	29.90	5.81	3.22	0.00
27.35	5.81	3.22	0.00	29.95	5.81	3.22	0.00
27.40	5.81	3.22	0.00	30.00	5.81	3.22	0.00
27.45	5.81	3.22	0.00	30.05	5.81	3.22	0.00
27.50	5.81	3.22	0.00	30.10	5.81	3.22	0.00
27.55	5.81	3.22	0.00	30.15	5.81	3.22	0.00
27.60	5.81	3.22	0.00	30.20	5.81	3.22	0.00
27.65	5.81	3.22	0.00	30.25	5.81	3.22	0.00
27.70	5.81	3.22	0.00	30.30	5.81	3.22	0.00
27.75	5.81	3.22	0.00	30.35	5.81	3.22	0.00
27.80	5.81	3.22	0.00	30.40	5.81	3.22	0.00
27.85	5.81	3.22	0.00	30.45	5.81	3.22	0.00
27.90	5.81	3.22	0.00	30.50	5.81	3.22	0.00
27.95	5.81	3.22	0.00	30.55	5.81	3.22	0.00
28.00	5.81	3.22	0.00	30.60	5.81	3.22	0.00
28.05	5.81	3.22	0.00	30.65	5.81	3.22	0.00
28.10	5.81	3.22	0.00	30.70	5.81	3.22	0.00
28.15	5.81	3.22	0.00	30.75	5.81	3.22	0.00
28.20	5.81	3.22	0.00	30.80	5.81	3.22	0.00
28.25	5.81	3.22	0.00	30.85	5.81	3.22	0.00
28.30	5.81	3.22	0.00	30.90	5.81	3.22	0.00
28.35	5.81	3.22	0.00	30.95	5.81	3.22	0.00
28.40	5.81	3.22	0.00	31.00	5.81	3.22	0.00
28.45	5.81	3.22	0.00	31.05	5.81	3.22	0.00
28.50	5.81	3.22	0.00	31.10	5.81	3.22	0.00
28.55	5.81	3.22	0.00	31.15	5.81	3.22	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.22	0.00	33.80	5.81	3.22	0.00
31.25	5.81	3.22	0.00	33.85	5.81	3.22	0.00
31.30	5.81	3.22	0.00	33.90	5.81	3.22	0.00
31.35	5.81	3.22	0.00	33.95	5.81	3.22	0.00
31.40	5.81	3.22	0.00	34.00	5.81	3.22	0.00
31.45	5.81	3.22	0.00	34.05	5.81	3.22	0.00
31.50	5.81	3.22	0.00	34.10	5.81	3.22	0.00
31.55	5.81	3.22	0.00	34.15	5.81	3.22	0.00
31.60	5.81	3.22	0.00	34.20	5.81	3.22	0.00
31.65	5.81	3.22	0.00	34.25	5.81	3.22	0.00
31.70	5.81	3.22	0.00	34.30	5.81	3.22	0.00
31.75	5.81	3.22	0.00	34.35	5.81	3.22	0.00
31.80	5.81	3.22	0.00	34.40	5.81	3.22	0.00
31.85	5.81	3.22	0.00	34.45	5.81	3.22	0.00
31.90	5.81	3.22	0.00	34.50	5.81	3.22	0.00
31.95	5.81	3.22	0.00	34.55	5.81	3.22	0.00
32.00	5.81	3.22	0.00	34.60	5.81	3.22	0.00
32.05	5.81	3.22	0.00	34.65	5.81	3.22	0.00
32.10	5.81	3.22	0.00	34.70	5.81	3.22	0.00
32.15	5.81	3.22	0.00	34.75	5.81	3.22	0.00
32.20	5.81	3.22	0.00	34.80	5.81	3.22	0.00
32.25	5.81	3.22	0.00	34.85	5.81	3.22	0.00
32.30	5.81	3.22	0.00	34.90	5.81	3.22	0.00
32.35	5.81	3.22	0.00	34.95	5.81	3.22	0.00
32.40	5.81	3.22	0.00	35.00	5.81	3.22	0.00
32.45	5.81	3.22	0.00	35.05	5.81	3.22	0.00
32.50	5.81	3.22	0.00	35.10	5.81	3.22	0.00
32.55	5.81	3.22	0.00	35.15	5.81	3.22	0.00
32.60	5.81	3.22	0.00	35.20	5.81	3.22	0.00
32.65	5.81	3.22	0.00	35.25	5.81	3.22	0.00
32.70	5.81	3.22	0.00	35.30	5.81	3.22	0.00
32.75	5.81	3.22	0.00	35.35	5.81	3.22	0.00
32.80	5.81	3.22	0.00	35.40	5.81	3.22	0.00
32.85	5.81	3.22	0.00	35.45	5.81	3.22	0.00
32.90	5.81	3.22	0.00	35.50	5.81	3.22	0.00
32.95	5.81	3.22	0.00	35.55	5.81	3.22	0.00
33.00	5.81	3.22	0.00	35.60	5.81	3.22	0.00
33.05	5.81	3.22	0.00	35.65	5.81	3.22	0.00
33.10	5.81	3.22	0.00	35.70	5.81	3.22	0.00
33.15	5.81	3.22	0.00	35.75	5.81	3.22	0.00
33.20	5.81	3.22	0.00	35.80	5.81	3.22	0.00
33.25	5.81	3.22	0.00	35.85	5.81	3.22	0.00
33.30	5.81	3.22	0.00	35.90	5.81	3.22	0.00
33.35	5.81	3.22	0.00	35.95	5.81	3.22	0.00
33.40	5.81	3.22	0.00	36.00	5.81	3.22	0.00
33.45	5.81	3.22	0.00	36.05	5.81	3.22	0.00
33.50	5.81	3.22	0.00	36.10	5.81	3.22	0.00
33.55	5.81	3.22	0.00	36.15	5.81	3.22	0.00
33.60	5.81	3.22	0.00	36.20	5.81	3.22	0.00
33.65	5.81	3.22	0.00	36.25	5.81	3.22	0.00
33.70	5.81	3.22	0.00	36.30	5.81	3.22	0.00
33.75	5.81	3.22	0.00	36.35	5.81	3.22	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.22	0.00	39.00	5.81	3.22	0.00
36.45	5.81	3.22	0.00	39.05	5.81	3.22	0.00
36.50	5.81	3.22	0.00	39.10	5.81	3.22	0.00
36.55	5.81	3.22	0.00	39.15	5.81	3.22	0.00
36.60	5.81	3.22	0.00	39.20	5.81	3.22	0.00
36.65	5.81	3.22	0.00	39.25	5.81	3.22	0.00
36.70	5.81	3.22	0.00	39.30	5.81	3.22	0.00
36.75	5.81	3.22	0.00	39.35	5.81	3.22	0.00
36.80	5.81	3.22	0.00	39.40	5.81	3.22	0.00
36.85	5.81	3.22	0.00	39.45	5.81	3.22	0.00
36.90	5.81	3.22	0.00	39.50	5.81	3.22	0.00
36.95	5.81	3.22	0.00	39.55	5.81	3.22	0.00
37.00	5.81	3.22	0.00	39.60	5.81	3.22	0.00
37.05	5.81	3.22	0.00	39.65	5.81	3.22	0.00
37.10	5.81	3.22	0.00	39.70	5.81	3.22	0.00
37.15	5.81	3.22	0.00	39.75	5.81	3.22	0.00
37.20	5.81	3.22	0.00	39.80	5.81	3.22	0.00
37.25	5.81	3.22	0.00	39.85	5.81	3.22	0.00
37.30	5.81	3.22	0.00	39.90	5.81	3.22	0.00
37.35	5.81	3.22	0.00	39.95	5.81	3.22	0.00
37.40	5.81	3.22	0.00	40.00	5.81	3.22	0.00
37.45	5.81	3.22	0.00				
37.50	5.81	3.22	0.00				
37.55	5.81	3.22	0.00				
37.60	5.81	3.22	0.00				
37.65	5.81	3.22	0.00				
37.70	5.81	3.22	0.00				
37.75	5.81	3.22	0.00				
37.80	5.81	3.22	0.00				
37.85	5.81	3.22	0.00				
37.90	5.81	3.22	0.00				
37.95	5.81	3.22	0.00				
38.00	5.81	3.22	0.00				
38.05	5.81	3.22	0.00				
38.10	5.81	3.22	0.00				
38.15	5.81	3.22	0.00				
38.20	5.81	3.22	0.00				
38.25	5.81	3.22	0.00				
38.30	5.81	3.22	0.00				
38.35	5.81	3.22	0.00				
38.40	5.81	3.22	0.00				
38.45	5.81	3.22	0.00				
38.50	5.81	3.22	0.00				
38.55	5.81	3.22	0.00				
38.60	5.81	3.22	0.00				
38.65	5.81	3.22	0.00				
38.70	5.81	3.22	0.00				
38.75	5.81	3.22	0.00				
38.80	5.81	3.22	0.00				
38.85	5.81	3.22	0.00				
38.90	5.81	3.22	0.00				
38.95	5.81	3.22	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 79.55 cfs @ 12.18 hrs, Volume= 6.009 af, Depth= 2.39"
Routed to Link XDA-4 : Existing Drainage Area #4

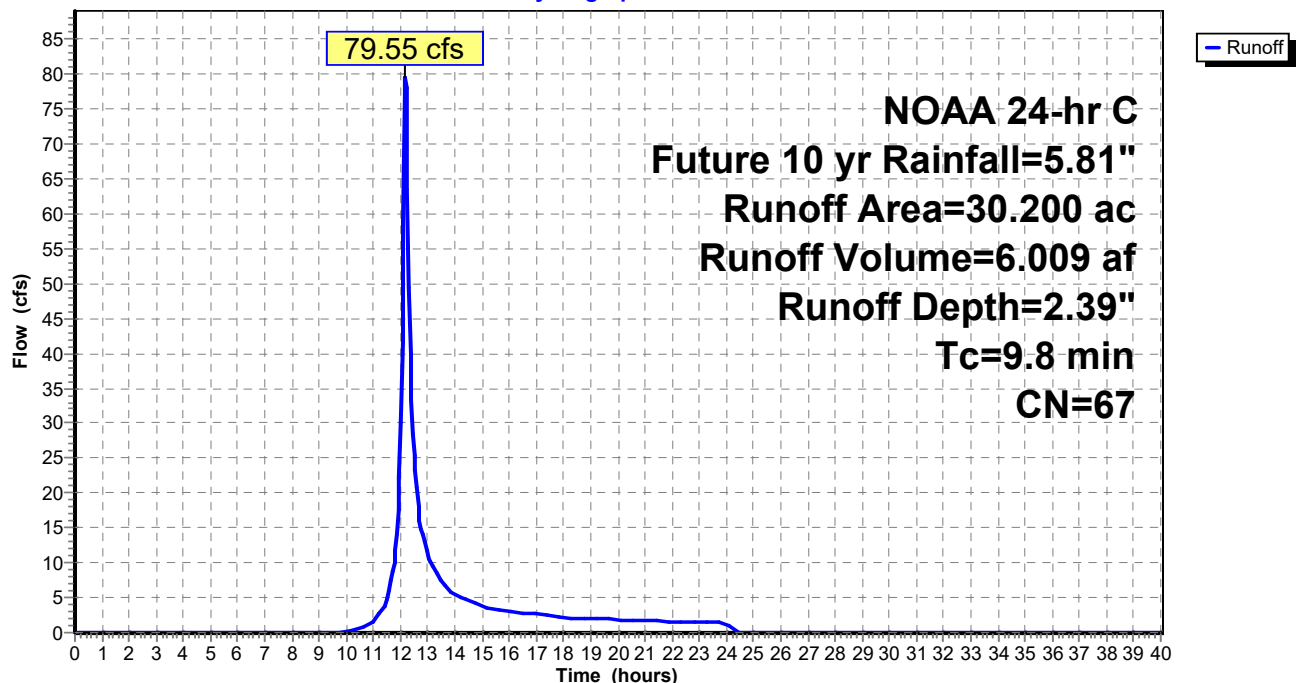
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.01
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.05
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.08
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.11
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.15
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.19
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.23
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.27
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.32
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.36
7.75	0.66	0.00	0.00	10.35	1.15	0.01	0.41

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.01	0.46	13.00	4.42	1.41	11.52
10.45	1.18	0.01	0.51	13.05	4.44	1.42	10.95
10.50	1.20	0.01	0.57	13.10	4.46	1.44	10.37
10.55	1.21	0.01	0.62	13.15	4.48	1.45	9.80
10.60	1.23	0.01	0.69	13.20	4.50	1.47	9.33
10.65	1.25	0.01	0.78	13.25	4.52	1.48	8.95
10.70	1.27	0.02	0.87	13.30	4.54	1.49	8.60
10.75	1.29	0.02	0.98	13.35	4.56	1.50	8.27
10.80	1.31	0.02	1.09	13.40	4.58	1.52	7.94
10.85	1.33	0.02	1.21	13.45	4.60	1.53	7.62
10.90	1.35	0.02	1.35	13.50	4.61	1.54	7.30
10.95	1.37	0.03	1.49	13.55	4.63	1.55	6.98
11.00	1.39	0.03	1.64	13.60	4.64	1.56	6.65
11.05	1.42	0.04	1.80	13.65	4.66	1.57	6.35
11.10	1.45	0.04	2.01	13.70	4.67	1.58	6.12
11.15	1.48	0.04	2.24	13.75	4.68	1.59	5.97
11.20	1.51	0.05	2.50	13.80	4.70	1.60	5.86
11.25	1.54	0.06	2.79	13.85	4.71	1.60	5.76
11.30	1.57	0.06	3.10	13.90	4.72	1.61	5.67
11.35	1.61	0.07	3.43	13.95	4.74	1.62	5.59
11.40	1.64	0.08	3.79	14.00	4.75	1.63	5.51
11.45	1.68	0.09	4.17	14.05	4.76	1.64	5.43
11.50	1.72	0.09	4.56	14.10	4.78	1.65	5.34
11.55	1.78	0.11	5.04	14.15	4.79	1.66	5.26
11.60	1.83	0.12	6.06	14.20	4.80	1.66	5.18
11.65	1.90	0.14	7.48	14.25	4.81	1.67	5.10
11.70	1.96	0.16	8.76	14.30	4.82	1.68	5.01
11.75	2.04	0.19	9.94	14.35	4.83	1.69	4.93
11.80	2.13	0.22	11.70	14.40	4.85	1.70	4.84
11.85	2.25	0.26	14.17	14.45	4.86	1.70	4.75
11.90	2.36	0.30	17.59	14.50	4.87	1.71	4.67
11.95	2.57	0.38	22.32	14.55	4.88	1.72	4.59
12.00	2.77	0.47	30.19	14.60	4.89	1.73	4.50
12.05	3.11	0.64	41.61	14.65	4.90	1.73	4.41
12.10	3.45	0.82	58.95	14.70	4.91	1.74	4.32
12.15	3.56	0.89	77.11	14.75	4.92	1.75	4.24
12.20	3.68	0.95	78.06	14.80	4.93	1.75	4.15
12.25	3.77	1.00	63.55	14.85	4.94	1.76	4.07
12.30	3.85	1.05	49.37	14.90	4.94	1.76	3.98
12.35	3.91	1.09	40.00	14.95	4.95	1.77	3.89
12.40	3.98	1.13	33.29	15.00	4.96	1.78	3.80
12.45	4.03	1.17	28.36	15.05	4.97	1.78	3.71
12.50	4.09	1.20	25.28	15.10	4.98	1.79	3.62
12.55	4.13	1.23	23.39	15.15	4.99	1.79	3.54
12.60	4.17	1.25	20.94	15.20	4.99	1.80	3.48
12.65	4.20	1.27	18.03	15.25	5.00	1.80	3.44
12.70	4.24	1.30	15.97	15.30	5.01	1.81	3.41
12.75	4.27	1.32	14.80	15.35	5.02	1.82	3.38
12.80	4.30	1.34	13.97	15.40	5.03	1.82	3.36
12.85	4.33	1.36	13.30	15.45	5.03	1.83	3.34
12.90	4.36	1.37	12.69	15.50	5.04	1.83	3.32
12.95	4.39	1.39	12.11	15.55	5.05	1.84	3.29

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.84	3.27	18.20	5.37	2.06	2.06
15.65	5.06	1.85	3.25	18.25	5.37	2.07	2.05
15.70	5.07	1.85	3.23	18.30	5.38	2.07	2.04
15.75	5.08	1.86	3.20	18.35	5.38	2.07	2.03
15.80	5.09	1.86	3.18	18.40	5.39	2.08	2.03
15.85	5.09	1.87	3.15	18.45	5.39	2.08	2.02
15.90	5.10	1.87	3.13	18.50	5.40	2.08	2.02
15.95	5.11	1.88	3.11	18.55	5.40	2.09	2.01
16.00	5.11	1.88	3.09	18.60	5.40	2.09	2.00
16.05	5.12	1.89	3.07	18.65	5.41	2.09	2.00
16.10	5.13	1.89	3.04	18.70	5.41	2.10	1.99
16.15	5.13	1.90	3.02	18.75	5.42	2.10	1.99
16.20	5.14	1.90	3.00	18.80	5.42	2.10	1.98
16.25	5.15	1.91	2.98	18.85	5.43	2.11	1.98
16.30	5.16	1.91	2.96	18.90	5.43	2.11	1.97
16.35	5.16	1.92	2.93	18.95	5.44	2.11	1.96
16.40	5.17	1.92	2.91	19.00	5.44	2.12	1.96
16.45	5.17	1.93	2.88	19.05	5.44	2.12	1.95
16.50	5.18	1.93	2.86	19.10	5.45	2.12	1.95
16.55	5.19	1.94	2.83	19.15	5.45	2.13	1.94
16.60	5.19	1.94	2.81	19.20	5.46	2.13	1.94
16.65	5.20	1.94	2.79	19.25	5.46	2.13	1.93
16.70	5.21	1.95	2.77	19.30	5.47	2.14	1.92
16.75	5.21	1.95	2.75	19.35	5.47	2.14	1.92
16.80	5.22	1.96	2.72	19.40	5.48	2.14	1.91
16.85	5.23	1.96	2.69	19.45	5.48	2.14	1.91
16.90	5.23	1.97	2.67	19.50	5.48	2.15	1.90
16.95	5.24	1.97	2.65	19.55	5.49	2.15	1.90
17.00	5.24	1.97	2.63	19.60	5.49	2.15	1.89
17.05	5.25	1.98	2.61	19.65	5.50	2.16	1.88
17.10	5.25	1.98	2.58	19.70	5.50	2.16	1.88
17.15	5.26	1.99	2.56	19.75	5.50	2.16	1.87
17.20	5.27	1.99	2.53	19.80	5.51	2.17	1.87
17.25	5.27	1.99	2.51	19.85	5.51	2.17	1.87
17.30	5.28	2.00	2.48	19.90	5.52	2.17	1.86
17.35	5.28	2.00	2.46	19.95	5.52	2.17	1.85
17.40	5.29	2.01	2.43	20.00	5.53	2.18	1.85
17.45	5.29	2.01	2.41	20.05	5.53	2.18	1.84
17.50	5.30	2.01	2.39	20.10	5.53	2.18	1.83
17.55	5.30	2.02	2.37	20.15	5.54	2.19	1.83
17.60	5.31	2.02	2.34	20.20	5.54	2.19	1.82
17.65	5.31	2.03	2.32	20.25	5.55	2.19	1.81
17.70	5.32	2.03	2.29	20.30	5.55	2.20	1.81
17.75	5.33	2.03	2.27	20.35	5.55	2.20	1.80
17.80	5.33	2.04	2.25	20.40	5.56	2.20	1.80
17.85	5.34	2.04	2.22	20.45	5.56	2.20	1.79
17.90	5.34	2.04	2.20	20.50	5.57	2.21	1.78
17.95	5.34	2.05	2.17	20.55	5.57	2.21	1.78
18.00	5.35	2.05	2.15	20.60	5.57	2.21	1.78
18.05	5.35	2.05	2.12	20.65	5.58	2.22	1.77
18.10	5.36	2.06	2.10	20.70	5.58	2.22	1.77
18.15	5.36	2.06	2.08	20.75	5.59	2.22	1.76

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.22	1.75	23.40	5.77	2.36	1.44
20.85	5.59	2.23	1.74	23.45	5.78	2.36	1.43
20.90	5.60	2.23	1.74	23.50	5.78	2.36	1.43
20.95	5.60	2.23	1.73	23.55	5.78	2.37	1.42
21.00	5.61	2.24	1.73	23.60	5.78	2.37	1.41
21.05	5.61	2.24	1.72	23.65	5.79	2.37	1.40
21.10	5.61	2.24	1.71	23.70	5.79	2.37	1.40
21.15	5.62	2.24	1.71	23.75	5.79	2.38	1.40
21.20	5.62	2.25	1.70	23.80	5.80	2.38	1.39
21.25	5.62	2.25	1.70	23.85	5.80	2.38	1.38
21.30	5.63	2.25	1.69	23.90	5.80	2.38	1.37
21.35	5.63	2.26	1.69	23.95	5.81	2.38	1.38
21.40	5.64	2.26	1.68	24.00	5.81	2.39	1.44
21.45	5.64	2.26	1.68	24.05	5.81	2.39	1.49
21.50	5.64	2.26	1.67	24.10	5.81	2.39	1.21
21.55	5.65	2.27	1.66	24.15	5.81	2.39	0.69
21.60	5.65	2.27	1.65	24.20	5.81	2.39	0.33
21.65	5.65	2.27	1.65	24.25	5.81	2.39	0.15
21.70	5.66	2.27	1.64	24.30	5.81	2.39	0.07
21.75	5.66	2.28	1.64	24.35	5.81	2.39	0.03
21.80	5.66	2.28	1.63	24.40	5.81	2.39	0.01
21.85	5.67	2.28	1.63	24.45	5.81	2.39	0.01
21.90	5.67	2.28	1.62	24.50	5.81	2.39	0.00
21.95	5.68	2.29	1.61	24.55	5.81	2.39	0.00
22.00	5.68	2.29	1.61	24.60	5.81	2.39	0.00
22.05	5.68	2.29	1.60	24.65	5.81	2.39	0.00
22.10	5.69	2.30	1.59	24.70	5.81	2.39	0.00
22.15	5.69	2.30	1.59	24.75	5.81	2.39	0.00
22.20	5.69	2.30	1.58	24.80	5.81	2.39	0.00
22.25	5.70	2.30	1.58	24.85	5.81	2.39	0.00
22.30	5.70	2.31	1.57	24.90	5.81	2.39	0.00
22.35	5.70	2.31	1.57	24.95	5.81	2.39	0.00
22.40	5.71	2.31	1.56	25.00	5.81	2.39	0.00
22.45	5.71	2.31	1.55	25.05	5.81	2.39	0.00
22.50	5.71	2.32	1.54	25.10	5.81	2.39	0.00
22.55	5.72	2.32	1.54	25.15	5.81	2.39	0.00
22.60	5.72	2.32	1.53	25.20	5.81	2.39	0.00
22.65	5.72	2.32	1.53	25.25	5.81	2.39	0.00
22.70	5.73	2.33	1.53	25.30	5.81	2.39	0.00
22.75	5.73	2.33	1.52	25.35	5.81	2.39	0.00
22.80	5.73	2.33	1.51	25.40	5.81	2.39	0.00
22.85	5.74	2.33	1.50	25.45	5.81	2.39	0.00
22.90	5.74	2.34	1.49	25.50	5.81	2.39	0.00
22.95	5.74	2.34	1.49	25.55	5.81	2.39	0.00
23.00	5.75	2.34	1.48	25.60	5.81	2.39	0.00
23.05	5.75	2.34	1.48	25.65	5.81	2.39	0.00
23.10	5.75	2.35	1.48	25.70	5.81	2.39	0.00
23.15	5.76	2.35	1.47	25.75	5.81	2.39	0.00
23.20	5.76	2.35	1.46	25.80	5.81	2.39	0.00
23.25	5.76	2.35	1.45	25.85	5.81	2.39	0.00
23.30	5.77	2.35	1.44	25.90	5.81	2.39	0.00
23.35	5.77	2.36	1.44	25.95	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.39	0.00	28.60	5.81	2.39	0.00
26.05	5.81	2.39	0.00	28.65	5.81	2.39	0.00
26.10	5.81	2.39	0.00	28.70	5.81	2.39	0.00
26.15	5.81	2.39	0.00	28.75	5.81	2.39	0.00
26.20	5.81	2.39	0.00	28.80	5.81	2.39	0.00
26.25	5.81	2.39	0.00	28.85	5.81	2.39	0.00
26.30	5.81	2.39	0.00	28.90	5.81	2.39	0.00
26.35	5.81	2.39	0.00	28.95	5.81	2.39	0.00
26.40	5.81	2.39	0.00	29.00	5.81	2.39	0.00
26.45	5.81	2.39	0.00	29.05	5.81	2.39	0.00
26.50	5.81	2.39	0.00	29.10	5.81	2.39	0.00
26.55	5.81	2.39	0.00	29.15	5.81	2.39	0.00
26.60	5.81	2.39	0.00	29.20	5.81	2.39	0.00
26.65	5.81	2.39	0.00	29.25	5.81	2.39	0.00
26.70	5.81	2.39	0.00	29.30	5.81	2.39	0.00
26.75	5.81	2.39	0.00	29.35	5.81	2.39	0.00
26.80	5.81	2.39	0.00	29.40	5.81	2.39	0.00
26.85	5.81	2.39	0.00	29.45	5.81	2.39	0.00
26.90	5.81	2.39	0.00	29.50	5.81	2.39	0.00
26.95	5.81	2.39	0.00	29.55	5.81	2.39	0.00
27.00	5.81	2.39	0.00	29.60	5.81	2.39	0.00
27.05	5.81	2.39	0.00	29.65	5.81	2.39	0.00
27.10	5.81	2.39	0.00	29.70	5.81	2.39	0.00
27.15	5.81	2.39	0.00	29.75	5.81	2.39	0.00
27.20	5.81	2.39	0.00	29.80	5.81	2.39	0.00
27.25	5.81	2.39	0.00	29.85	5.81	2.39	0.00
27.30	5.81	2.39	0.00	29.90	5.81	2.39	0.00
27.35	5.81	2.39	0.00	29.95	5.81	2.39	0.00
27.40	5.81	2.39	0.00	30.00	5.81	2.39	0.00
27.45	5.81	2.39	0.00	30.05	5.81	2.39	0.00
27.50	5.81	2.39	0.00	30.10	5.81	2.39	0.00
27.55	5.81	2.39	0.00	30.15	5.81	2.39	0.00
27.60	5.81	2.39	0.00	30.20	5.81	2.39	0.00
27.65	5.81	2.39	0.00	30.25	5.81	2.39	0.00
27.70	5.81	2.39	0.00	30.30	5.81	2.39	0.00
27.75	5.81	2.39	0.00	30.35	5.81	2.39	0.00
27.80	5.81	2.39	0.00	30.40	5.81	2.39	0.00
27.85	5.81	2.39	0.00	30.45	5.81	2.39	0.00
27.90	5.81	2.39	0.00	30.50	5.81	2.39	0.00
27.95	5.81	2.39	0.00	30.55	5.81	2.39	0.00
28.00	5.81	2.39	0.00	30.60	5.81	2.39	0.00
28.05	5.81	2.39	0.00	30.65	5.81	2.39	0.00
28.10	5.81	2.39	0.00	30.70	5.81	2.39	0.00
28.15	5.81	2.39	0.00	30.75	5.81	2.39	0.00
28.20	5.81	2.39	0.00	30.80	5.81	2.39	0.00
28.25	5.81	2.39	0.00	30.85	5.81	2.39	0.00
28.30	5.81	2.39	0.00	30.90	5.81	2.39	0.00
28.35	5.81	2.39	0.00	30.95	5.81	2.39	0.00
28.40	5.81	2.39	0.00	31.00	5.81	2.39	0.00
28.45	5.81	2.39	0.00	31.05	5.81	2.39	0.00
28.50	5.81	2.39	0.00	31.10	5.81	2.39	0.00
28.55	5.81	2.39	0.00	31.15	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.39	0.00	33.80	5.81	2.39	0.00
31.25	5.81	2.39	0.00	33.85	5.81	2.39	0.00
31.30	5.81	2.39	0.00	33.90	5.81	2.39	0.00
31.35	5.81	2.39	0.00	33.95	5.81	2.39	0.00
31.40	5.81	2.39	0.00	34.00	5.81	2.39	0.00
31.45	5.81	2.39	0.00	34.05	5.81	2.39	0.00
31.50	5.81	2.39	0.00	34.10	5.81	2.39	0.00
31.55	5.81	2.39	0.00	34.15	5.81	2.39	0.00
31.60	5.81	2.39	0.00	34.20	5.81	2.39	0.00
31.65	5.81	2.39	0.00	34.25	5.81	2.39	0.00
31.70	5.81	2.39	0.00	34.30	5.81	2.39	0.00
31.75	5.81	2.39	0.00	34.35	5.81	2.39	0.00
31.80	5.81	2.39	0.00	34.40	5.81	2.39	0.00
31.85	5.81	2.39	0.00	34.45	5.81	2.39	0.00
31.90	5.81	2.39	0.00	34.50	5.81	2.39	0.00
31.95	5.81	2.39	0.00	34.55	5.81	2.39	0.00
32.00	5.81	2.39	0.00	34.60	5.81	2.39	0.00
32.05	5.81	2.39	0.00	34.65	5.81	2.39	0.00
32.10	5.81	2.39	0.00	34.70	5.81	2.39	0.00
32.15	5.81	2.39	0.00	34.75	5.81	2.39	0.00
32.20	5.81	2.39	0.00	34.80	5.81	2.39	0.00
32.25	5.81	2.39	0.00	34.85	5.81	2.39	0.00
32.30	5.81	2.39	0.00	34.90	5.81	2.39	0.00
32.35	5.81	2.39	0.00	34.95	5.81	2.39	0.00
32.40	5.81	2.39	0.00	35.00	5.81	2.39	0.00
32.45	5.81	2.39	0.00	35.05	5.81	2.39	0.00
32.50	5.81	2.39	0.00	35.10	5.81	2.39	0.00
32.55	5.81	2.39	0.00	35.15	5.81	2.39	0.00
32.60	5.81	2.39	0.00	35.20	5.81	2.39	0.00
32.65	5.81	2.39	0.00	35.25	5.81	2.39	0.00
32.70	5.81	2.39	0.00	35.30	5.81	2.39	0.00
32.75	5.81	2.39	0.00	35.35	5.81	2.39	0.00
32.80	5.81	2.39	0.00	35.40	5.81	2.39	0.00
32.85	5.81	2.39	0.00	35.45	5.81	2.39	0.00
32.90	5.81	2.39	0.00	35.50	5.81	2.39	0.00
32.95	5.81	2.39	0.00	35.55	5.81	2.39	0.00
33.00	5.81	2.39	0.00	35.60	5.81	2.39	0.00
33.05	5.81	2.39	0.00	35.65	5.81	2.39	0.00
33.10	5.81	2.39	0.00	35.70	5.81	2.39	0.00
33.15	5.81	2.39	0.00	35.75	5.81	2.39	0.00
33.20	5.81	2.39	0.00	35.80	5.81	2.39	0.00
33.25	5.81	2.39	0.00	35.85	5.81	2.39	0.00
33.30	5.81	2.39	0.00	35.90	5.81	2.39	0.00
33.35	5.81	2.39	0.00	35.95	5.81	2.39	0.00
33.40	5.81	2.39	0.00	36.00	5.81	2.39	0.00
33.45	5.81	2.39	0.00	36.05	5.81	2.39	0.00
33.50	5.81	2.39	0.00	36.10	5.81	2.39	0.00
33.55	5.81	2.39	0.00	36.15	5.81	2.39	0.00
33.60	5.81	2.39	0.00	36.20	5.81	2.39	0.00
33.65	5.81	2.39	0.00	36.25	5.81	2.39	0.00
33.70	5.81	2.39	0.00	36.30	5.81	2.39	0.00
33.75	5.81	2.39	0.00	36.35	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.39	0.00	39.00	5.81	2.39	0.00
36.45	5.81	2.39	0.00	39.05	5.81	2.39	0.00
36.50	5.81	2.39	0.00	39.10	5.81	2.39	0.00
36.55	5.81	2.39	0.00	39.15	5.81	2.39	0.00
36.60	5.81	2.39	0.00	39.20	5.81	2.39	0.00
36.65	5.81	2.39	0.00	39.25	5.81	2.39	0.00
36.70	5.81	2.39	0.00	39.30	5.81	2.39	0.00
36.75	5.81	2.39	0.00	39.35	5.81	2.39	0.00
36.80	5.81	2.39	0.00	39.40	5.81	2.39	0.00
36.85	5.81	2.39	0.00	39.45	5.81	2.39	0.00
36.90	5.81	2.39	0.00	39.50	5.81	2.39	0.00
36.95	5.81	2.39	0.00	39.55	5.81	2.39	0.00
37.00	5.81	2.39	0.00	39.60	5.81	2.39	0.00
37.05	5.81	2.39	0.00	39.65	5.81	2.39	0.00
37.10	5.81	2.39	0.00	39.70	5.81	2.39	0.00
37.15	5.81	2.39	0.00	39.75	5.81	2.39	0.00
37.20	5.81	2.39	0.00	39.80	5.81	2.39	0.00
37.25	5.81	2.39	0.00	39.85	5.81	2.39	0.00
37.30	5.81	2.39	0.00	39.90	5.81	2.39	0.00
37.35	5.81	2.39	0.00	39.95	5.81	2.39	0.00
37.40	5.81	2.39	0.00	40.00	5.81	2.39	0.00
37.45	5.81	2.39	0.00				
37.50	5.81	2.39	0.00				
37.55	5.81	2.39	0.00				
37.60	5.81	2.39	0.00				
37.65	5.81	2.39	0.00				
37.70	5.81	2.39	0.00				
37.75	5.81	2.39	0.00				
37.80	5.81	2.39	0.00				
37.85	5.81	2.39	0.00				
37.90	5.81	2.39	0.00				
37.95	5.81	2.39	0.00				
38.00	5.81	2.39	0.00				
38.05	5.81	2.39	0.00				
38.10	5.81	2.39	0.00				
38.15	5.81	2.39	0.00				
38.20	5.81	2.39	0.00				
38.25	5.81	2.39	0.00				
38.30	5.81	2.39	0.00				
38.35	5.81	2.39	0.00				
38.40	5.81	2.39	0.00				
38.45	5.81	2.39	0.00				
38.50	5.81	2.39	0.00				
38.55	5.81	2.39	0.00				
38.60	5.81	2.39	0.00				
38.65	5.81	2.39	0.00				
38.70	5.81	2.39	0.00				
38.75	5.81	2.39	0.00				
38.80	5.81	2.39	0.00				
38.85	5.81	2.39	0.00				
38.90	5.81	2.39	0.00				
38.95	5.81	2.39	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 31.72 cfs @ 12.16 hrs, Volume= 2.278 af, Depth= 3.12"
Routed to Link XDA-5 : Existing Drainage Area #5

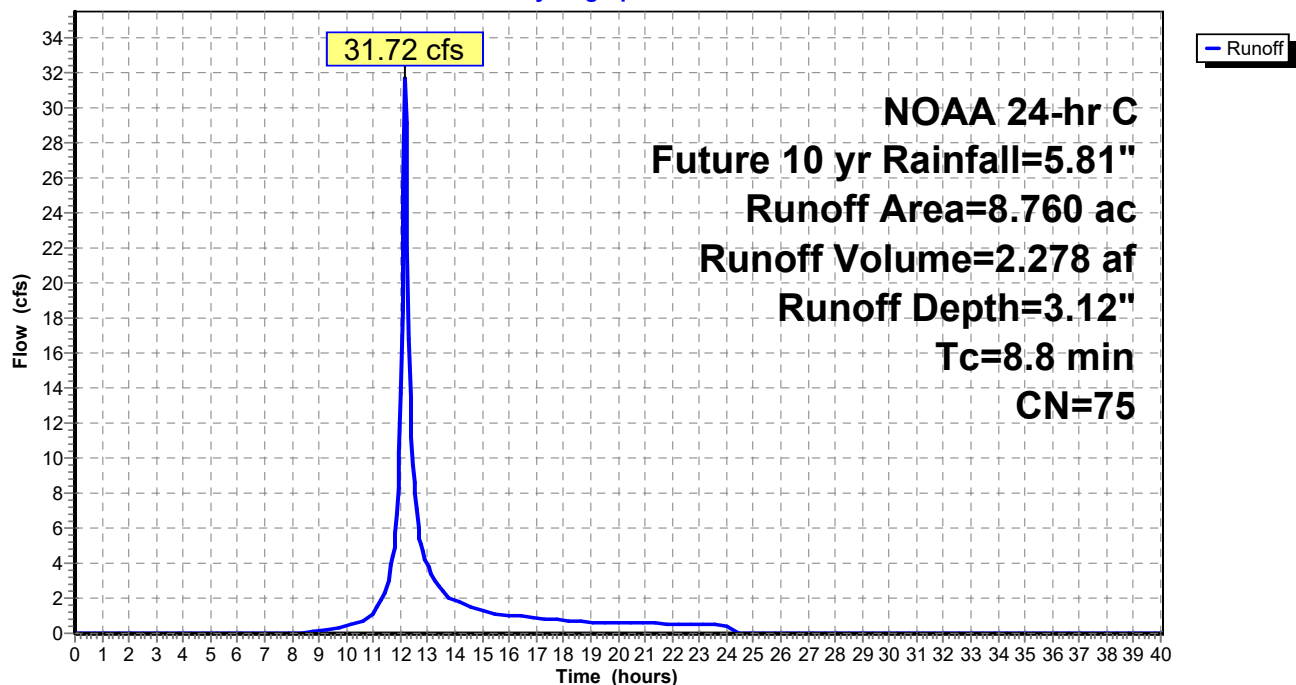
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.01
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.01
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.02
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.02
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.03
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.03
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.04
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.05
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.05
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.06
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.06
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.07
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.08
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.08
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.09
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.09
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.10
6.25	0.48	0.00	0.00	8.85	0.82	0.01	0.11
6.30	0.49	0.00	0.00	8.90	0.83	0.01	0.11
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.12
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.13
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.13
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.14
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.15
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.16
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.17
6.70	0.53	0.00	0.00	9.30	0.90	0.02	0.19
6.75	0.54	0.00	0.00	9.35	0.91	0.02	0.20
6.80	0.54	0.00	0.00	9.40	0.92	0.02	0.21
6.85	0.55	0.00	0.00	9.45	0.93	0.02	0.22
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.24
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.25
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.26
7.05	0.57	0.00	0.00	9.65	0.98	0.03	0.28
7.10	0.58	0.00	0.00	9.70	0.99	0.03	0.29
7.15	0.58	0.00	0.00	9.75	1.00	0.03	0.31
7.20	0.59	0.00	0.00	9.80	1.01	0.03	0.33
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.34
7.30	0.60	0.00	0.00	9.90	1.03	0.04	0.36
7.35	0.61	0.00	0.00	9.95	1.05	0.04	0.38
7.40	0.62	0.00	0.00	10.00	1.06	0.04	0.40
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.42
7.50	0.63	0.00	0.00	10.10	1.09	0.05	0.43
7.55	0.64	0.00	0.00	10.15	1.10	0.05	0.45
7.60	0.64	0.00	0.00	10.20	1.11	0.05	0.48
7.65	0.65	0.00	0.00	10.25	1.13	0.06	0.50
7.70	0.65	0.00	0.00	10.30	1.14	0.06	0.52
7.75	0.66	0.00	0.00	10.35	1.15	0.06	0.54

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.07	0.56	13.00	4.42	1.98	3.94
10.45	1.18	0.07	0.58	13.05	4.44	2.00	3.74
10.50	1.20	0.07	0.61	13.10	4.46	2.02	3.53
10.55	1.21	0.08	0.63	13.15	4.48	2.04	3.34
10.60	1.23	0.08	0.67	13.20	4.50	2.05	3.18
10.65	1.25	0.09	0.72	13.25	4.52	2.07	3.05
10.70	1.27	0.09	0.78	13.30	4.54	2.08	2.93
10.75	1.29	0.10	0.83	13.35	4.56	2.10	2.81
10.80	1.31	0.10	0.90	13.40	4.58	2.11	2.70
10.85	1.33	0.11	0.96	13.45	4.60	2.13	2.59
10.90	1.35	0.12	1.03	13.50	4.61	2.14	2.47
10.95	1.37	0.12	1.09	13.55	4.63	2.15	2.36
11.00	1.39	0.13	1.17	13.60	4.64	2.16	2.25
11.05	1.42	0.14	1.25	13.65	4.66	2.17	2.15
11.10	1.45	0.15	1.35	13.70	4.67	2.18	2.08
11.15	1.48	0.16	1.46	13.75	4.68	2.20	2.03
11.20	1.51	0.17	1.59	13.80	4.70	2.21	1.99
11.25	1.54	0.18	1.73	13.85	4.71	2.22	1.96
11.30	1.57	0.19	1.87	13.90	4.72	2.23	1.93
11.35	1.61	0.21	2.02	13.95	4.74	2.24	1.90
11.40	1.64	0.22	2.18	14.00	4.75	2.25	1.87
11.45	1.68	0.24	2.34	14.05	4.76	2.26	1.84
11.50	1.72	0.25	2.49	14.10	4.78	2.27	1.81
11.55	1.78	0.28	2.72	14.15	4.79	2.28	1.78
11.60	1.83	0.30	3.26	14.20	4.80	2.29	1.76
11.65	1.90	0.33	3.93	14.25	4.81	2.30	1.73
11.70	1.96	0.36	4.44	14.30	4.82	2.31	1.70
11.75	2.04	0.40	4.91	14.35	4.83	2.32	1.67
11.80	2.13	0.45	5.71	14.40	4.85	2.32	1.64
11.85	2.25	0.51	6.79	14.45	4.86	2.33	1.61
11.90	2.36	0.57	8.27	14.50	4.87	2.34	1.58
11.95	2.57	0.69	10.27	14.55	4.88	2.35	1.55
12.00	2.77	0.81	13.73	14.60	4.89	2.36	1.52
12.05	3.11	1.03	18.47	14.65	4.90	2.37	1.49
12.10	3.45	1.26	25.42	14.70	4.91	2.37	1.46
12.15	3.56	1.35	31.52	14.75	4.92	2.38	1.43
12.20	3.68	1.43	29.09	14.80	4.93	2.39	1.40
12.25	3.77	1.49	22.05	14.85	4.94	2.40	1.37
12.30	3.85	1.56	16.81	14.90	4.94	2.40	1.34
12.35	3.91	1.60	13.55	14.95	4.95	2.41	1.31
12.40	3.98	1.65	11.23	15.00	4.96	2.42	1.28
12.45	4.03	1.69	9.57	15.05	4.97	2.42	1.25
12.50	4.09	1.74	8.64	15.10	4.98	2.43	1.22
12.55	4.13	1.77	8.02	15.15	4.99	2.44	1.19
12.60	4.17	1.79	7.08	15.20	4.99	2.44	1.17
12.65	4.20	1.82	6.05	15.25	5.00	2.45	1.16
12.70	4.24	1.85	5.41	15.30	5.01	2.46	1.15
12.75	4.27	1.87	5.05	15.35	5.02	2.46	1.14
12.80	4.30	1.90	4.79	15.40	5.03	2.47	1.13
12.85	4.33	1.92	4.56	15.45	5.03	2.48	1.12
12.90	4.36	1.94	4.35	15.50	5.04	2.48	1.12
12.95	4.39	1.96	4.15	15.55	5.05	2.49	1.11

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.49	1.10	18.20	5.37	2.75	0.69
15.65	5.06	2.50	1.09	18.25	5.37	2.75	0.68
15.70	5.07	2.51	1.09	18.30	5.38	2.76	0.68
15.75	5.08	2.51	1.08	18.35	5.38	2.76	0.68
15.80	5.09	2.52	1.07	18.40	5.39	2.77	0.68
15.85	5.09	2.52	1.06	18.45	5.39	2.77	0.67
15.90	5.10	2.53	1.05	18.50	5.40	2.77	0.67
15.95	5.11	2.54	1.05	18.55	5.40	2.78	0.67
16.00	5.11	2.54	1.04	18.60	5.40	2.78	0.67
16.05	5.12	2.55	1.03	18.65	5.41	2.79	0.67
16.10	5.13	2.55	1.02	18.70	5.41	2.79	0.66
16.15	5.13	2.56	1.01	18.75	5.42	2.79	0.66
16.20	5.14	2.56	1.01	18.80	5.42	2.80	0.66
16.25	5.15	2.57	1.00	18.85	5.43	2.80	0.66
16.30	5.16	2.58	0.99	18.90	5.43	2.80	0.66
16.35	5.16	2.58	0.98	18.95	5.44	2.81	0.65
16.40	5.17	2.59	0.97	19.00	5.44	2.81	0.65
16.45	5.17	2.59	0.97	19.05	5.44	2.81	0.65
16.50	5.18	2.60	0.96	19.10	5.45	2.82	0.65
16.55	5.19	2.60	0.95	19.15	5.45	2.82	0.65
16.60	5.19	2.61	0.94	19.20	5.46	2.83	0.64
16.65	5.20	2.61	0.93	19.25	5.46	2.83	0.64
16.70	5.21	2.62	0.93	19.30	5.47	2.83	0.64
16.75	5.21	2.62	0.92	19.35	5.47	2.84	0.64
16.80	5.22	2.63	0.91	19.40	5.48	2.84	0.64
16.85	5.23	2.63	0.90	19.45	5.48	2.84	0.63
16.90	5.23	2.64	0.89	19.50	5.48	2.85	0.63
16.95	5.24	2.64	0.89	19.55	5.49	2.85	0.63
17.00	5.24	2.65	0.88	19.60	5.49	2.85	0.63
17.05	5.25	2.65	0.87	19.65	5.50	2.86	0.63
17.10	5.25	2.66	0.86	19.70	5.50	2.86	0.62
17.15	5.26	2.66	0.85	19.75	5.50	2.86	0.62
17.20	5.27	2.67	0.85	19.80	5.51	2.87	0.62
17.25	5.27	2.67	0.84	19.85	5.51	2.87	0.62
17.30	5.28	2.68	0.83	19.90	5.52	2.88	0.62
17.35	5.28	2.68	0.82	19.95	5.52	2.88	0.61
17.40	5.29	2.69	0.81	20.00	5.53	2.88	0.61
17.45	5.29	2.69	0.80	20.05	5.53	2.89	0.61
17.50	5.30	2.69	0.80	20.10	5.53	2.89	0.61
17.55	5.30	2.70	0.79	20.15	5.54	2.89	0.61
17.60	5.31	2.70	0.78	20.20	5.54	2.90	0.60
17.65	5.31	2.71	0.77	20.25	5.55	2.90	0.60
17.70	5.32	2.71	0.76	20.30	5.55	2.90	0.60
17.75	5.33	2.72	0.76	20.35	5.55	2.91	0.60
17.80	5.33	2.72	0.75	20.40	5.56	2.91	0.60
17.85	5.34	2.72	0.74	20.45	5.56	2.91	0.59
17.90	5.34	2.73	0.73	20.50	5.57	2.92	0.59
17.95	5.34	2.73	0.72	20.55	5.57	2.92	0.59
18.00	5.35	2.74	0.71	20.60	5.57	2.92	0.59
18.05	5.35	2.74	0.71	20.65	5.58	2.93	0.59
18.10	5.36	2.74	0.70	20.70	5.58	2.93	0.59
18.15	5.36	2.75	0.69	20.75	5.59	2.93	0.58

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.94	0.58	23.40	5.77	3.09	0.47
20.85	5.59	2.94	0.58	23.45	5.78	3.09	0.47
20.90	5.60	2.94	0.58	23.50	5.78	3.09	0.47
20.95	5.60	2.95	0.57	23.55	5.78	3.10	0.47
21.00	5.61	2.95	0.57	23.60	5.78	3.10	0.46
21.05	5.61	2.95	0.57	23.65	5.79	3.10	0.46
21.10	5.61	2.95	0.57	23.70	5.79	3.10	0.46
21.15	5.62	2.96	0.56	23.75	5.79	3.11	0.46
21.20	5.62	2.96	0.56	23.80	5.80	3.11	0.46
21.25	5.62	2.96	0.56	23.85	5.80	3.11	0.45
21.30	5.63	2.97	0.56	23.90	5.80	3.11	0.45
21.35	5.63	2.97	0.56	23.95	5.81	3.12	0.45
21.40	5.64	2.97	0.56	24.00	5.81	3.12	0.48
21.45	5.64	2.98	0.55	24.05	5.81	3.12	0.49
21.50	5.64	2.98	0.55	24.10	5.81	3.12	0.36
21.55	5.65	2.98	0.55	24.15	5.81	3.12	0.18
21.60	5.65	2.99	0.55	24.20	5.81	3.12	0.08
21.65	5.65	2.99	0.54	24.25	5.81	3.12	0.03
21.70	5.66	2.99	0.54	24.30	5.81	3.12	0.01
21.75	5.66	3.00	0.54	24.35	5.81	3.12	0.01
21.80	5.66	3.00	0.54	24.40	5.81	3.12	0.00
21.85	5.67	3.00	0.54	24.45	5.81	3.12	0.00
21.90	5.67	3.00	0.54	24.50	5.81	3.12	0.00
21.95	5.68	3.01	0.53	24.55	5.81	3.12	0.00
22.00	5.68	3.01	0.53	24.60	5.81	3.12	0.00
22.05	5.68	3.01	0.53	24.65	5.81	3.12	0.00
22.10	5.69	3.02	0.53	24.70	5.81	3.12	0.00
22.15	5.69	3.02	0.52	24.75	5.81	3.12	0.00
22.20	5.69	3.02	0.52	24.80	5.81	3.12	0.00
22.25	5.70	3.02	0.52	24.85	5.81	3.12	0.00
22.30	5.70	3.03	0.52	24.90	5.81	3.12	0.00
22.35	5.70	3.03	0.52	24.95	5.81	3.12	0.00
22.40	5.71	3.03	0.51	25.00	5.81	3.12	0.00
22.45	5.71	3.04	0.51	25.05	5.81	3.12	0.00
22.50	5.71	3.04	0.51	25.10	5.81	3.12	0.00
22.55	5.72	3.04	0.51	25.15	5.81	3.12	0.00
22.60	5.72	3.04	0.51	25.20	5.81	3.12	0.00
22.65	5.72	3.05	0.51	25.25	5.81	3.12	0.00
22.70	5.73	3.05	0.50	25.30	5.81	3.12	0.00
22.75	5.73	3.05	0.50	25.35	5.81	3.12	0.00
22.80	5.73	3.06	0.50	25.40	5.81	3.12	0.00
22.85	5.74	3.06	0.49	25.45	5.81	3.12	0.00
22.90	5.74	3.06	0.49	25.50	5.81	3.12	0.00
22.95	5.74	3.06	0.49	25.55	5.81	3.12	0.00
23.00	5.75	3.07	0.49	25.60	5.81	3.12	0.00
23.05	5.75	3.07	0.49	25.65	5.81	3.12	0.00
23.10	5.75	3.07	0.49	25.70	5.81	3.12	0.00
23.15	5.76	3.08	0.48	25.75	5.81	3.12	0.00
23.20	5.76	3.08	0.48	25.80	5.81	3.12	0.00
23.25	5.76	3.08	0.48	25.85	5.81	3.12	0.00
23.30	5.77	3.08	0.48	25.90	5.81	3.12	0.00
23.35	5.77	3.09	0.47	25.95	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.12	0.00	28.60	5.81	3.12	0.00
26.05	5.81	3.12	0.00	28.65	5.81	3.12	0.00
26.10	5.81	3.12	0.00	28.70	5.81	3.12	0.00
26.15	5.81	3.12	0.00	28.75	5.81	3.12	0.00
26.20	5.81	3.12	0.00	28.80	5.81	3.12	0.00
26.25	5.81	3.12	0.00	28.85	5.81	3.12	0.00
26.30	5.81	3.12	0.00	28.90	5.81	3.12	0.00
26.35	5.81	3.12	0.00	28.95	5.81	3.12	0.00
26.40	5.81	3.12	0.00	29.00	5.81	3.12	0.00
26.45	5.81	3.12	0.00	29.05	5.81	3.12	0.00
26.50	5.81	3.12	0.00	29.10	5.81	3.12	0.00
26.55	5.81	3.12	0.00	29.15	5.81	3.12	0.00
26.60	5.81	3.12	0.00	29.20	5.81	3.12	0.00
26.65	5.81	3.12	0.00	29.25	5.81	3.12	0.00
26.70	5.81	3.12	0.00	29.30	5.81	3.12	0.00
26.75	5.81	3.12	0.00	29.35	5.81	3.12	0.00
26.80	5.81	3.12	0.00	29.40	5.81	3.12	0.00
26.85	5.81	3.12	0.00	29.45	5.81	3.12	0.00
26.90	5.81	3.12	0.00	29.50	5.81	3.12	0.00
26.95	5.81	3.12	0.00	29.55	5.81	3.12	0.00
27.00	5.81	3.12	0.00	29.60	5.81	3.12	0.00
27.05	5.81	3.12	0.00	29.65	5.81	3.12	0.00
27.10	5.81	3.12	0.00	29.70	5.81	3.12	0.00
27.15	5.81	3.12	0.00	29.75	5.81	3.12	0.00
27.20	5.81	3.12	0.00	29.80	5.81	3.12	0.00
27.25	5.81	3.12	0.00	29.85	5.81	3.12	0.00
27.30	5.81	3.12	0.00	29.90	5.81	3.12	0.00
27.35	5.81	3.12	0.00	29.95	5.81	3.12	0.00
27.40	5.81	3.12	0.00	30.00	5.81	3.12	0.00
27.45	5.81	3.12	0.00	30.05	5.81	3.12	0.00
27.50	5.81	3.12	0.00	30.10	5.81	3.12	0.00
27.55	5.81	3.12	0.00	30.15	5.81	3.12	0.00
27.60	5.81	3.12	0.00	30.20	5.81	3.12	0.00
27.65	5.81	3.12	0.00	30.25	5.81	3.12	0.00
27.70	5.81	3.12	0.00	30.30	5.81	3.12	0.00
27.75	5.81	3.12	0.00	30.35	5.81	3.12	0.00
27.80	5.81	3.12	0.00	30.40	5.81	3.12	0.00
27.85	5.81	3.12	0.00	30.45	5.81	3.12	0.00
27.90	5.81	3.12	0.00	30.50	5.81	3.12	0.00
27.95	5.81	3.12	0.00	30.55	5.81	3.12	0.00
28.00	5.81	3.12	0.00	30.60	5.81	3.12	0.00
28.05	5.81	3.12	0.00	30.65	5.81	3.12	0.00
28.10	5.81	3.12	0.00	30.70	5.81	3.12	0.00
28.15	5.81	3.12	0.00	30.75	5.81	3.12	0.00
28.20	5.81	3.12	0.00	30.80	5.81	3.12	0.00
28.25	5.81	3.12	0.00	30.85	5.81	3.12	0.00
28.30	5.81	3.12	0.00	30.90	5.81	3.12	0.00
28.35	5.81	3.12	0.00	30.95	5.81	3.12	0.00
28.40	5.81	3.12	0.00	31.00	5.81	3.12	0.00
28.45	5.81	3.12	0.00	31.05	5.81	3.12	0.00
28.50	5.81	3.12	0.00	31.10	5.81	3.12	0.00
28.55	5.81	3.12	0.00	31.15	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.12	0.00	33.80	5.81	3.12	0.00
31.25	5.81	3.12	0.00	33.85	5.81	3.12	0.00
31.30	5.81	3.12	0.00	33.90	5.81	3.12	0.00
31.35	5.81	3.12	0.00	33.95	5.81	3.12	0.00
31.40	5.81	3.12	0.00	34.00	5.81	3.12	0.00
31.45	5.81	3.12	0.00	34.05	5.81	3.12	0.00
31.50	5.81	3.12	0.00	34.10	5.81	3.12	0.00
31.55	5.81	3.12	0.00	34.15	5.81	3.12	0.00
31.60	5.81	3.12	0.00	34.20	5.81	3.12	0.00
31.65	5.81	3.12	0.00	34.25	5.81	3.12	0.00
31.70	5.81	3.12	0.00	34.30	5.81	3.12	0.00
31.75	5.81	3.12	0.00	34.35	5.81	3.12	0.00
31.80	5.81	3.12	0.00	34.40	5.81	3.12	0.00
31.85	5.81	3.12	0.00	34.45	5.81	3.12	0.00
31.90	5.81	3.12	0.00	34.50	5.81	3.12	0.00
31.95	5.81	3.12	0.00	34.55	5.81	3.12	0.00
32.00	5.81	3.12	0.00	34.60	5.81	3.12	0.00
32.05	5.81	3.12	0.00	34.65	5.81	3.12	0.00
32.10	5.81	3.12	0.00	34.70	5.81	3.12	0.00
32.15	5.81	3.12	0.00	34.75	5.81	3.12	0.00
32.20	5.81	3.12	0.00	34.80	5.81	3.12	0.00
32.25	5.81	3.12	0.00	34.85	5.81	3.12	0.00
32.30	5.81	3.12	0.00	34.90	5.81	3.12	0.00
32.35	5.81	3.12	0.00	34.95	5.81	3.12	0.00
32.40	5.81	3.12	0.00	35.00	5.81	3.12	0.00
32.45	5.81	3.12	0.00	35.05	5.81	3.12	0.00
32.50	5.81	3.12	0.00	35.10	5.81	3.12	0.00
32.55	5.81	3.12	0.00	35.15	5.81	3.12	0.00
32.60	5.81	3.12	0.00	35.20	5.81	3.12	0.00
32.65	5.81	3.12	0.00	35.25	5.81	3.12	0.00
32.70	5.81	3.12	0.00	35.30	5.81	3.12	0.00
32.75	5.81	3.12	0.00	35.35	5.81	3.12	0.00
32.80	5.81	3.12	0.00	35.40	5.81	3.12	0.00
32.85	5.81	3.12	0.00	35.45	5.81	3.12	0.00
32.90	5.81	3.12	0.00	35.50	5.81	3.12	0.00
32.95	5.81	3.12	0.00	35.55	5.81	3.12	0.00
33.00	5.81	3.12	0.00	35.60	5.81	3.12	0.00
33.05	5.81	3.12	0.00	35.65	5.81	3.12	0.00
33.10	5.81	3.12	0.00	35.70	5.81	3.12	0.00
33.15	5.81	3.12	0.00	35.75	5.81	3.12	0.00
33.20	5.81	3.12	0.00	35.80	5.81	3.12	0.00
33.25	5.81	3.12	0.00	35.85	5.81	3.12	0.00
33.30	5.81	3.12	0.00	35.90	5.81	3.12	0.00
33.35	5.81	3.12	0.00	35.95	5.81	3.12	0.00
33.40	5.81	3.12	0.00	36.00	5.81	3.12	0.00
33.45	5.81	3.12	0.00	36.05	5.81	3.12	0.00
33.50	5.81	3.12	0.00	36.10	5.81	3.12	0.00
33.55	5.81	3.12	0.00	36.15	5.81	3.12	0.00
33.60	5.81	3.12	0.00	36.20	5.81	3.12	0.00
33.65	5.81	3.12	0.00	36.25	5.81	3.12	0.00
33.70	5.81	3.12	0.00	36.30	5.81	3.12	0.00
33.75	5.81	3.12	0.00	36.35	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.12	0.00	39.00	5.81	3.12	0.00
36.45	5.81	3.12	0.00	39.05	5.81	3.12	0.00
36.50	5.81	3.12	0.00	39.10	5.81	3.12	0.00
36.55	5.81	3.12	0.00	39.15	5.81	3.12	0.00
36.60	5.81	3.12	0.00	39.20	5.81	3.12	0.00
36.65	5.81	3.12	0.00	39.25	5.81	3.12	0.00
36.70	5.81	3.12	0.00	39.30	5.81	3.12	0.00
36.75	5.81	3.12	0.00	39.35	5.81	3.12	0.00
36.80	5.81	3.12	0.00	39.40	5.81	3.12	0.00
36.85	5.81	3.12	0.00	39.45	5.81	3.12	0.00
36.90	5.81	3.12	0.00	39.50	5.81	3.12	0.00
36.95	5.81	3.12	0.00	39.55	5.81	3.12	0.00
37.00	5.81	3.12	0.00	39.60	5.81	3.12	0.00
37.05	5.81	3.12	0.00	39.65	5.81	3.12	0.00
37.10	5.81	3.12	0.00	39.70	5.81	3.12	0.00
37.15	5.81	3.12	0.00	39.75	5.81	3.12	0.00
37.20	5.81	3.12	0.00	39.80	5.81	3.12	0.00
37.25	5.81	3.12	0.00	39.85	5.81	3.12	0.00
37.30	5.81	3.12	0.00	39.90	5.81	3.12	0.00
37.35	5.81	3.12	0.00	39.95	5.81	3.12	0.00
37.40	5.81	3.12	0.00	40.00	5.81	3.12	0.00
37.45	5.81	3.12	0.00				
37.50	5.81	3.12	0.00				
37.55	5.81	3.12	0.00				
37.60	5.81	3.12	0.00				
37.65	5.81	3.12	0.00				
37.70	5.81	3.12	0.00				
37.75	5.81	3.12	0.00				
37.80	5.81	3.12	0.00				
37.85	5.81	3.12	0.00				
37.90	5.81	3.12	0.00				
37.95	5.81	3.12	0.00				
38.00	5.81	3.12	0.00				
38.05	5.81	3.12	0.00				
38.10	5.81	3.12	0.00				
38.15	5.81	3.12	0.00				
38.20	5.81	3.12	0.00				
38.25	5.81	3.12	0.00				
38.30	5.81	3.12	0.00				
38.35	5.81	3.12	0.00				
38.40	5.81	3.12	0.00				
38.45	5.81	3.12	0.00				
38.50	5.81	3.12	0.00				
38.55	5.81	3.12	0.00				
38.60	5.81	3.12	0.00				
38.65	5.81	3.12	0.00				
38.70	5.81	3.12	0.00				
38.75	5.81	3.12	0.00				
38.80	5.81	3.12	0.00				
38.85	5.81	3.12	0.00				
38.90	5.81	3.12	0.00				
38.95	5.81	3.12	0.00				

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

Runoff = 4.19 cfs @ 12.16 hrs, Volume= 0.353 af, Depth= 5.57"
 Routed to Link XDA-6O : XDA-6O

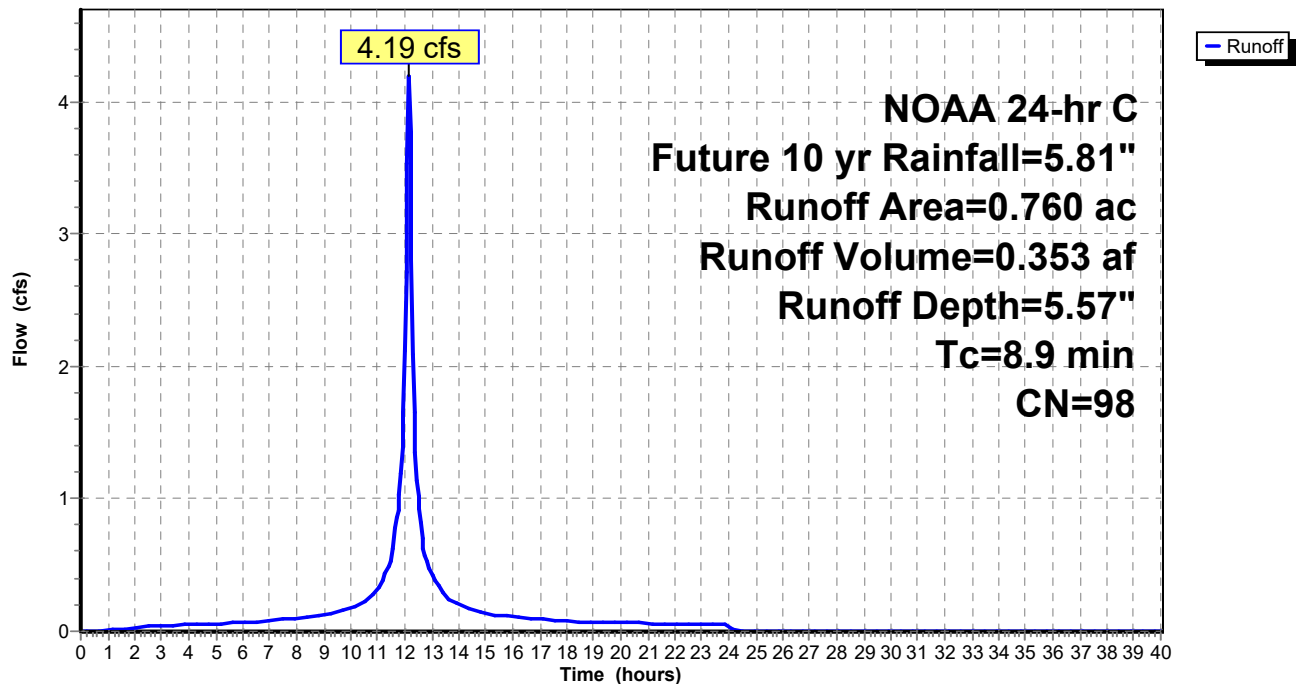
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6I: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.10
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.10
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.10
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.10
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.10
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.10
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.10
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.10
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.10
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.10
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.11
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.11
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.11
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.11
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.11
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.11
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.11
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.11
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.11
6.20	0.48	0.30	0.07	8.80	0.82	0.61	0.11
6.25	0.48	0.30	0.07	8.85	0.82	0.62	0.12
6.30	0.49	0.31	0.07	8.90	0.83	0.63	0.12
6.35	0.50	0.31	0.07	8.95	0.84	0.64	0.12
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.12
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.12
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.12
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.13
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.13
6.70	0.53	0.35	0.08	9.30	0.90	0.70	0.13
6.75	0.54	0.35	0.08	9.35	0.91	0.71	0.14
6.80	0.54	0.36	0.08	9.40	0.92	0.72	0.14
6.85	0.55	0.36	0.08	9.45	0.93	0.73	0.14
6.90	0.56	0.37	0.08	9.50	0.94	0.74	0.15
6.95	0.56	0.37	0.08	9.55	0.95	0.75	0.15
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.15
7.05	0.57	0.38	0.08	9.65	0.98	0.77	0.16
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.16
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.16
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.17
7.25	0.60	0.41	0.09	9.85	1.02	0.81	0.17
7.30	0.60	0.41	0.09	9.90	1.03	0.82	0.17
7.35	0.61	0.42	0.09	9.95	1.05	0.84	0.18
7.40	0.62	0.42	0.09	10.00	1.06	0.85	0.18
7.45	0.62	0.43	0.09	10.05	1.07	0.86	0.18
7.50	0.63	0.44	0.09	10.10	1.09	0.87	0.19
7.55	0.64	0.44	0.09	10.15	1.10	0.89	0.19
7.60	0.64	0.45	0.09	10.20	1.11	0.90	0.19
7.65	0.65	0.45	0.09	10.25	1.13	0.91	0.20
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.20
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.20

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.21	13.00	4.42	4.18	0.44
10.45	1.18	0.97	0.21	13.05	4.44	4.20	0.42
10.50	1.20	0.98	0.21	13.10	4.46	4.23	0.39
10.55	1.21	1.00	0.22	13.15	4.48	4.25	0.37
10.60	1.23	1.02	0.23	13.20	4.50	4.27	0.35
10.65	1.25	1.03	0.24	13.25	4.52	4.29	0.34
10.70	1.27	1.05	0.25	13.30	4.54	4.31	0.32
10.75	1.29	1.07	0.26	13.35	4.56	4.33	0.31
10.80	1.31	1.09	0.27	13.40	4.58	4.34	0.30
10.85	1.33	1.11	0.29	13.45	4.60	4.36	0.29
10.90	1.35	1.13	0.30	13.50	4.61	4.38	0.27
10.95	1.37	1.15	0.31	13.55	4.63	4.39	0.26
11.00	1.39	1.18	0.32	13.60	4.64	4.41	0.25
11.05	1.42	1.20	0.34	13.65	4.66	4.42	0.24
11.10	1.45	1.23	0.36	13.70	4.67	4.43	0.23
11.15	1.48	1.26	0.38	13.75	4.68	4.45	0.22
11.20	1.51	1.29	0.40	13.80	4.70	4.46	0.22
11.25	1.54	1.32	0.42	13.85	4.71	4.48	0.21
11.30	1.57	1.35	0.45	13.90	4.72	4.49	0.21
11.35	1.61	1.38	0.47	13.95	4.74	4.50	0.21
11.40	1.64	1.42	0.50	14.00	4.75	4.51	0.20
11.45	1.68	1.46	0.52	14.05	4.76	4.53	0.20
11.50	1.72	1.49	0.54	14.10	4.78	4.54	0.20
11.55	1.78	1.55	0.57	14.15	4.79	4.55	0.19
11.60	1.83	1.61	0.67	14.20	4.80	4.56	0.19
11.65	1.90	1.67	0.78	14.25	4.81	4.57	0.19
11.70	1.96	1.73	0.86	14.30	4.82	4.59	0.18
11.75	2.04	1.82	0.92	14.35	4.83	4.60	0.18
11.80	2.13	1.90	1.03	14.40	4.85	4.61	0.18
11.85	2.25	2.02	1.18	14.45	4.86	4.62	0.17
11.90	2.36	2.13	1.39	14.50	4.87	4.63	0.17
11.95	2.57	2.34	1.66	14.55	4.88	4.64	0.17
12.00	2.77	2.54	2.11	14.60	4.89	4.65	0.16
12.05	3.11	2.88	2.71	14.65	4.90	4.66	0.16
12.10	3.45	3.21	3.53	14.70	4.91	4.67	0.16
12.15	3.56	3.33	4.19	14.75	4.92	4.68	0.15
12.20	3.68	3.45	3.77	14.80	4.93	4.69	0.15
12.25	3.77	3.53	2.80	14.85	4.94	4.70	0.15
12.30	3.85	3.62	2.09	14.90	4.94	4.71	0.14
12.35	3.91	3.68	1.65	14.95	4.95	4.72	0.14
12.40	3.98	3.74	1.35	15.00	4.96	4.72	0.14
12.45	4.03	3.80	1.14	15.05	4.97	4.73	0.13
12.50	4.09	3.86	1.01	15.10	4.98	4.74	0.13
12.55	4.13	3.90	0.93	15.15	4.99	4.75	0.13
12.60	4.17	3.93	0.82	15.20	4.99	4.76	0.13
12.65	4.20	3.97	0.70	15.25	5.00	4.76	0.12
12.70	4.24	4.00	0.62	15.30	5.01	4.77	0.12
12.75	4.27	4.04	0.58	15.35	5.02	4.78	0.12
12.80	4.30	4.07	0.54	15.40	5.03	4.79	0.12
12.85	4.33	4.10	0.52	15.45	5.03	4.80	0.12
12.90	4.36	4.13	0.49	15.50	5.04	4.80	0.12
12.95	4.39	4.15	0.47	15.55	5.05	4.81	0.12

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.12	18.20	5.37	5.13	0.07
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.07
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.11	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.11	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.11	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.11	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.11	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.11	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.11	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.11	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.10	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.10	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.10	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.10	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.10	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.10	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.10	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.09	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.09	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.09	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.09	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.09	19.70	5.50	5.26	0.06
17.15	5.26	5.02	0.09	19.75	5.50	5.27	0.06
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.06
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.06
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.08	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.08	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.08	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.08	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.08	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.07	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.07	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.07	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.07	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	5.81	5.57	0.05
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.05
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.04
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.02
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.01
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.05	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.05	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.05	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00	39.00	5.81	5.57	0.00
36.45	5.81	5.57	0.00	39.05	5.81	5.57	0.00
36.50	5.81	5.57	0.00	39.10	5.81	5.57	0.00
36.55	5.81	5.57	0.00	39.15	5.81	5.57	0.00
36.60	5.81	5.57	0.00	39.20	5.81	5.57	0.00
36.65	5.81	5.57	0.00	39.25	5.81	5.57	0.00
36.70	5.81	5.57	0.00	39.30	5.81	5.57	0.00
36.75	5.81	5.57	0.00	39.35	5.81	5.57	0.00
36.80	5.81	5.57	0.00	39.40	5.81	5.57	0.00
36.85	5.81	5.57	0.00	39.45	5.81	5.57	0.00
36.90	5.81	5.57	0.00	39.50	5.81	5.57	0.00
36.95	5.81	5.57	0.00	39.55	5.81	5.57	0.00
37.00	5.81	5.57	0.00	39.60	5.81	5.57	0.00
37.05	5.81	5.57	0.00	39.65	5.81	5.57	0.00
37.10	5.81	5.57	0.00	39.70	5.81	5.57	0.00
37.15	5.81	5.57	0.00	39.75	5.81	5.57	0.00
37.20	5.81	5.57	0.00	39.80	5.81	5.57	0.00
37.25	5.81	5.57	0.00	39.85	5.81	5.57	0.00
37.30	5.81	5.57	0.00	39.90	5.81	5.57	0.00
37.35	5.81	5.57	0.00	39.95	5.81	5.57	0.00
37.40	5.81	5.57	0.00	40.00	5.81	5.57	0.00
37.45	5.81	5.57	0.00				
37.50	5.81	5.57	0.00				
37.55	5.81	5.57	0.00				
37.60	5.81	5.57	0.00				
37.65	5.81	5.57	0.00				
37.70	5.81	5.57	0.00				
37.75	5.81	5.57	0.00				
37.80	5.81	5.57	0.00				
37.85	5.81	5.57	0.00				
37.90	5.81	5.57	0.00				
37.95	5.81	5.57	0.00				
38.00	5.81	5.57	0.00				
38.05	5.81	5.57	0.00				
38.10	5.81	5.57	0.00				
38.15	5.81	5.57	0.00				
38.20	5.81	5.57	0.00				
38.25	5.81	5.57	0.00				
38.30	5.81	5.57	0.00				
38.35	5.81	5.57	0.00				
38.40	5.81	5.57	0.00				
38.45	5.81	5.57	0.00				
38.50	5.81	5.57	0.00				
38.55	5.81	5.57	0.00				
38.60	5.81	5.57	0.00				
38.65	5.81	5.57	0.00				
38.70	5.81	5.57	0.00				
38.75	5.81	5.57	0.00				
38.80	5.81	5.57	0.00				
38.85	5.81	5.57	0.00				
38.90	5.81	5.57	0.00				
38.95	5.81	5.57	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 84.11 cfs @ 12.16 hrs, Volume= 6.063 af, Depth= 2.75"
Routed to Link XDA-6 : Existing Drainage Area #6

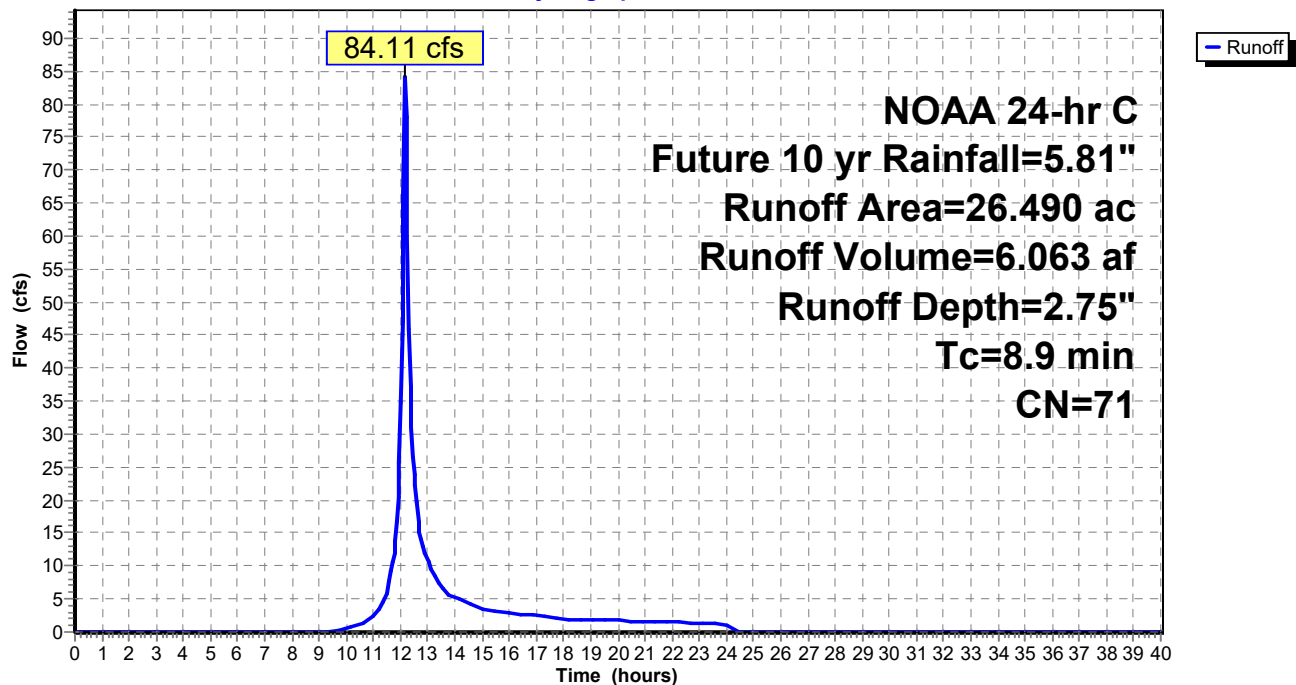
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.04
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.06
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.07
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.10
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.12
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.14
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.17
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.19
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.22
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.25
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.28
7.00	0.57	0.00	0.00	9.60	0.96	0.01	0.31
7.05	0.57	0.00	0.00	9.65	0.98	0.01	0.34
7.10	0.58	0.00	0.00	9.70	0.99	0.01	0.38
7.15	0.58	0.00	0.00	9.75	1.00	0.01	0.41
7.20	0.59	0.00	0.00	9.80	1.01	0.01	0.45
7.25	0.60	0.00	0.00	9.85	1.02	0.01	0.49
7.30	0.60	0.00	0.00	9.90	1.03	0.01	0.53
7.35	0.61	0.00	0.00	9.95	1.05	0.01	0.57
7.40	0.62	0.00	0.00	10.00	1.06	0.01	0.61
7.45	0.62	0.00	0.00	10.05	1.07	0.02	0.66
7.50	0.63	0.00	0.00	10.10	1.09	0.02	0.71
7.55	0.64	0.00	0.00	10.15	1.10	0.02	0.75
7.60	0.64	0.00	0.00	10.20	1.11	0.02	0.80
7.65	0.65	0.00	0.00	10.25	1.13	0.02	0.85
7.70	0.65	0.00	0.00	10.30	1.14	0.02	0.91
7.75	0.66	0.00	0.00	10.35	1.15	0.03	0.96

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.03	1.02	13.00	4.42	1.69	10.98
10.45	1.18	0.03	1.07	13.05	4.44	1.70	10.42
10.50	1.20	0.03	1.13	13.10	4.46	1.72	9.85
10.55	1.21	0.04	1.20	13.15	4.48	1.73	9.31
10.60	1.23	0.04	1.29	13.20	4.50	1.75	8.87
10.65	1.25	0.04	1.40	13.25	4.52	1.76	8.51
10.70	1.27	0.04	1.52	13.30	4.54	1.78	8.18
10.75	1.29	0.05	1.65	13.35	4.56	1.79	7.87
10.80	1.31	0.05	1.79	13.40	4.58	1.80	7.55
10.85	1.33	0.06	1.94	13.45	4.60	1.82	7.24
10.90	1.35	0.06	2.10	13.50	4.61	1.83	6.92
10.95	1.37	0.07	2.27	13.55	4.63	1.84	6.62
11.00	1.39	0.07	2.44	13.60	4.64	1.85	6.30
11.05	1.42	0.08	2.64	13.65	4.66	1.86	6.01
11.10	1.45	0.08	2.88	13.70	4.67	1.87	5.82
11.15	1.48	0.09	3.16	13.75	4.68	1.88	5.68
11.20	1.51	0.10	3.47	13.80	4.70	1.89	5.58
11.25	1.54	0.11	3.80	13.85	4.71	1.90	5.49
11.30	1.57	0.12	4.15	13.90	4.72	1.91	5.41
11.35	1.61	0.13	4.52	13.95	4.74	1.92	5.34
11.40	1.64	0.14	4.92	14.00	4.75	1.93	5.25
11.45	1.68	0.15	5.33	14.05	4.76	1.94	5.17
11.50	1.72	0.16	5.74	14.10	4.78	1.95	5.09
11.55	1.78	0.18	6.31	14.15	4.79	1.96	5.01
11.60	1.83	0.20	7.61	14.20	4.80	1.97	4.93
11.65	1.90	0.23	9.26	14.25	4.81	1.98	4.85
11.70	1.96	0.25	10.58	14.30	4.82	1.98	4.77
11.75	2.04	0.28	11.81	14.35	4.83	1.99	4.69
11.80	2.13	0.32	13.86	14.40	4.85	2.00	4.60
11.85	2.25	0.37	16.64	14.45	4.86	2.01	4.52
11.90	2.36	0.42	20.47	14.50	4.87	2.02	4.44
11.95	2.57	0.52	25.69	14.55	4.88	2.02	4.36
12.00	2.77	0.63	34.72	14.60	4.89	2.03	4.28
12.05	3.11	0.82	47.34	14.65	4.90	2.04	4.19
12.10	3.45	1.03	66.09	14.70	4.91	2.05	4.10
12.15	3.56	1.11	83.30	14.75	4.92	2.05	4.02
12.20	3.68	1.18	78.13	14.80	4.93	2.06	3.94
12.25	3.77	1.24	59.88	14.85	4.94	2.07	3.86
12.30	3.85	1.29	45.92	14.90	4.94	2.07	3.77
12.35	3.91	1.34	37.16	14.95	4.95	2.08	3.69
12.40	3.98	1.38	30.92	15.00	4.96	2.09	3.60
12.45	4.03	1.42	26.42	15.05	4.97	2.09	3.51
12.50	4.09	1.46	23.86	15.10	4.98	2.10	3.43
12.55	4.13	1.48	22.21	15.15	4.99	2.11	3.35
12.60	4.17	1.51	19.63	15.20	4.99	2.11	3.30
12.65	4.20	1.54	16.81	15.25	5.00	2.12	3.26
12.70	4.24	1.56	15.03	15.30	5.01	2.12	3.23
12.75	4.27	1.58	14.04	15.35	5.02	2.13	3.21
12.80	4.30	1.61	13.30	15.40	5.03	2.14	3.19
12.85	4.33	1.63	12.69	15.45	5.03	2.14	3.17
12.90	4.36	1.65	12.10	15.50	5.04	2.15	3.15
12.95	4.39	1.67	11.54	15.55	5.05	2.15	3.13

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.16	3.10	18.20	5.37	2.40	1.94
15.65	5.06	2.16	3.09	18.25	5.37	2.40	1.93
15.70	5.07	2.17	3.06	18.30	5.38	2.41	1.93
15.75	5.08	2.18	3.04	18.35	5.38	2.41	1.92
15.80	5.09	2.18	3.01	18.40	5.39	2.41	1.91
15.85	5.09	2.19	2.99	18.45	5.39	2.42	1.91
15.90	5.10	2.19	2.97	18.50	5.40	2.42	1.90
15.95	5.11	2.20	2.95	18.55	5.40	2.42	1.90
16.00	5.11	2.20	2.93	18.60	5.40	2.43	1.89
16.05	5.12	2.21	2.91	18.65	5.41	2.43	1.89
16.10	5.13	2.21	2.89	18.70	5.41	2.43	1.88
16.15	5.13	2.22	2.87	18.75	5.42	2.44	1.88
16.20	5.14	2.22	2.85	18.80	5.42	2.44	1.87
16.25	5.15	2.23	2.82	18.85	5.43	2.44	1.87
16.30	5.16	2.23	2.80	18.90	5.43	2.45	1.86
16.35	5.16	2.24	2.77	18.95	5.44	2.45	1.85
16.40	5.17	2.24	2.75	19.00	5.44	2.45	1.85
16.45	5.17	2.25	2.73	19.05	5.44	2.46	1.84
16.50	5.18	2.25	2.71	19.10	5.45	2.46	1.84
16.55	5.19	2.26	2.68	19.15	5.45	2.47	1.83
16.60	5.19	2.26	2.66	19.20	5.46	2.47	1.83
16.65	5.20	2.27	2.64	19.25	5.46	2.47	1.82
16.70	5.21	2.27	2.62	19.30	5.47	2.48	1.82
16.75	5.21	2.28	2.60	19.35	5.47	2.48	1.81
16.80	5.22	2.28	2.57	19.40	5.48	2.48	1.80
16.85	5.23	2.29	2.55	19.45	5.48	2.49	1.80
16.90	5.23	2.29	2.53	19.50	5.48	2.49	1.79
16.95	5.24	2.30	2.51	19.55	5.49	2.49	1.79
17.00	5.24	2.30	2.49	19.60	5.49	2.50	1.78
17.05	5.25	2.31	2.46	19.65	5.50	2.50	1.78
17.10	5.25	2.31	2.44	19.70	5.50	2.50	1.77
17.15	5.26	2.32	2.42	19.75	5.50	2.51	1.77
17.20	5.27	2.32	2.40	19.80	5.51	2.51	1.76
17.25	5.27	2.32	2.37	19.85	5.51	2.51	1.76
17.30	5.28	2.33	2.35	19.90	5.52	2.52	1.76
17.35	5.28	2.33	2.32	19.95	5.52	2.52	1.75
17.40	5.29	2.34	2.30	20.00	5.53	2.52	1.74
17.45	5.29	2.34	2.28	20.05	5.53	2.52	1.73
17.50	5.30	2.35	2.26	20.10	5.53	2.53	1.73
17.55	5.30	2.35	2.23	20.15	5.54	2.53	1.72
17.60	5.31	2.35	2.21	20.20	5.54	2.53	1.72
17.65	5.31	2.36	2.19	20.25	5.55	2.54	1.71
17.70	5.32	2.36	2.17	20.30	5.55	2.54	1.70
17.75	5.33	2.37	2.14	20.35	5.55	2.54	1.70
17.80	5.33	2.37	2.12	20.40	5.56	2.55	1.69
17.85	5.34	2.37	2.10	20.45	5.56	2.55	1.69
17.90	5.34	2.38	2.07	20.50	5.57	2.55	1.68
17.95	5.34	2.38	2.05	20.55	5.57	2.56	1.68
18.00	5.35	2.38	2.03	20.60	5.57	2.56	1.67
18.05	5.35	2.39	2.00	20.65	5.58	2.56	1.67
18.10	5.36	2.39	1.98	20.70	5.58	2.57	1.66
18.15	5.36	2.40	1.96	20.75	5.59	2.57	1.66

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.57	1.65	23.40	5.77	2.72	1.35
20.85	5.59	2.57	1.64	23.45	5.78	2.72	1.35
20.90	5.60	2.58	1.64	23.50	5.78	2.72	1.34
20.95	5.60	2.58	1.63	23.55	5.78	2.72	1.33
21.00	5.61	2.58	1.62	23.60	5.78	2.73	1.32
21.05	5.61	2.59	1.62	23.65	5.79	2.73	1.32
21.10	5.61	2.59	1.61	23.70	5.79	2.73	1.31
21.15	5.62	2.59	1.61	23.75	5.79	2.73	1.31
21.20	5.62	2.60	1.60	23.80	5.80	2.74	1.30
21.25	5.62	2.60	1.60	23.85	5.80	2.74	1.29
21.30	5.63	2.60	1.59	23.90	5.80	2.74	1.29
21.35	5.63	2.60	1.59	23.95	5.81	2.74	1.30
21.40	5.64	2.61	1.58	24.00	5.81	2.75	1.37
21.45	5.64	2.61	1.58	24.05	5.81	2.75	1.39
21.50	5.64	2.61	1.57	24.10	5.81	2.75	1.04
21.55	5.65	2.62	1.56	24.15	5.81	2.75	0.53
21.60	5.65	2.62	1.56	24.20	5.81	2.75	0.23
21.65	5.65	2.62	1.55	24.25	5.81	2.75	0.10
21.70	5.66	2.63	1.54	24.30	5.81	2.75	0.04
21.75	5.66	2.63	1.54	24.35	5.81	2.75	0.02
21.80	5.66	2.63	1.54	24.40	5.81	2.75	0.01
21.85	5.67	2.63	1.53	24.45	5.81	2.75	0.00
21.90	5.67	2.64	1.53	24.50	5.81	2.75	0.00
21.95	5.68	2.64	1.52	24.55	5.81	2.75	0.00
22.00	5.68	2.64	1.51	24.60	5.81	2.75	0.00
22.05	5.68	2.64	1.50	24.65	5.81	2.75	0.00
22.10	5.69	2.65	1.50	24.70	5.81	2.75	0.00
22.15	5.69	2.65	1.49	24.75	5.81	2.75	0.00
22.20	5.69	2.65	1.49	24.80	5.81	2.75	0.00
22.25	5.70	2.66	1.49	24.85	5.81	2.75	0.00
22.30	5.70	2.66	1.48	24.90	5.81	2.75	0.00
22.35	5.70	2.66	1.47	24.95	5.81	2.75	0.00
22.40	5.71	2.66	1.46	25.00	5.81	2.75	0.00
22.45	5.71	2.67	1.46	25.05	5.81	2.75	0.00
22.50	5.71	2.67	1.45	25.10	5.81	2.75	0.00
22.55	5.72	2.67	1.45	25.15	5.81	2.75	0.00
22.60	5.72	2.67	1.44	25.20	5.81	2.75	0.00
22.65	5.72	2.68	1.44	25.25	5.81	2.75	0.00
22.70	5.73	2.68	1.43	25.30	5.81	2.75	0.00
22.75	5.73	2.68	1.42	25.35	5.81	2.75	0.00
22.80	5.73	2.69	1.42	25.40	5.81	2.75	0.00
22.85	5.74	2.69	1.41	25.45	5.81	2.75	0.00
22.90	5.74	2.69	1.40	25.50	5.81	2.75	0.00
22.95	5.74	2.69	1.40	25.55	5.81	2.75	0.00
23.00	5.75	2.70	1.40	25.60	5.81	2.75	0.00
23.05	5.75	2.70	1.39	25.65	5.81	2.75	0.00
23.10	5.75	2.70	1.39	25.70	5.81	2.75	0.00
23.15	5.76	2.70	1.38	25.75	5.81	2.75	0.00
23.20	5.76	2.71	1.37	25.80	5.81	2.75	0.00
23.25	5.76	2.71	1.36	25.85	5.81	2.75	0.00
23.30	5.77	2.71	1.36	25.90	5.81	2.75	0.00
23.35	5.77	2.71	1.35	25.95	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.75	0.00	28.60	5.81	2.75	0.00
26.05	5.81	2.75	0.00	28.65	5.81	2.75	0.00
26.10	5.81	2.75	0.00	28.70	5.81	2.75	0.00
26.15	5.81	2.75	0.00	28.75	5.81	2.75	0.00
26.20	5.81	2.75	0.00	28.80	5.81	2.75	0.00
26.25	5.81	2.75	0.00	28.85	5.81	2.75	0.00
26.30	5.81	2.75	0.00	28.90	5.81	2.75	0.00
26.35	5.81	2.75	0.00	28.95	5.81	2.75	0.00
26.40	5.81	2.75	0.00	29.00	5.81	2.75	0.00
26.45	5.81	2.75	0.00	29.05	5.81	2.75	0.00
26.50	5.81	2.75	0.00	29.10	5.81	2.75	0.00
26.55	5.81	2.75	0.00	29.15	5.81	2.75	0.00
26.60	5.81	2.75	0.00	29.20	5.81	2.75	0.00
26.65	5.81	2.75	0.00	29.25	5.81	2.75	0.00
26.70	5.81	2.75	0.00	29.30	5.81	2.75	0.00
26.75	5.81	2.75	0.00	29.35	5.81	2.75	0.00
26.80	5.81	2.75	0.00	29.40	5.81	2.75	0.00
26.85	5.81	2.75	0.00	29.45	5.81	2.75	0.00
26.90	5.81	2.75	0.00	29.50	5.81	2.75	0.00
26.95	5.81	2.75	0.00	29.55	5.81	2.75	0.00
27.00	5.81	2.75	0.00	29.60	5.81	2.75	0.00
27.05	5.81	2.75	0.00	29.65	5.81	2.75	0.00
27.10	5.81	2.75	0.00	29.70	5.81	2.75	0.00
27.15	5.81	2.75	0.00	29.75	5.81	2.75	0.00
27.20	5.81	2.75	0.00	29.80	5.81	2.75	0.00
27.25	5.81	2.75	0.00	29.85	5.81	2.75	0.00
27.30	5.81	2.75	0.00	29.90	5.81	2.75	0.00
27.35	5.81	2.75	0.00	29.95	5.81	2.75	0.00
27.40	5.81	2.75	0.00	30.00	5.81	2.75	0.00
27.45	5.81	2.75	0.00	30.05	5.81	2.75	0.00
27.50	5.81	2.75	0.00	30.10	5.81	2.75	0.00
27.55	5.81	2.75	0.00	30.15	5.81	2.75	0.00
27.60	5.81	2.75	0.00	30.20	5.81	2.75	0.00
27.65	5.81	2.75	0.00	30.25	5.81	2.75	0.00
27.70	5.81	2.75	0.00	30.30	5.81	2.75	0.00
27.75	5.81	2.75	0.00	30.35	5.81	2.75	0.00
27.80	5.81	2.75	0.00	30.40	5.81	2.75	0.00
27.85	5.81	2.75	0.00	30.45	5.81	2.75	0.00
27.90	5.81	2.75	0.00	30.50	5.81	2.75	0.00
27.95	5.81	2.75	0.00	30.55	5.81	2.75	0.00
28.00	5.81	2.75	0.00	30.60	5.81	2.75	0.00
28.05	5.81	2.75	0.00	30.65	5.81	2.75	0.00
28.10	5.81	2.75	0.00	30.70	5.81	2.75	0.00
28.15	5.81	2.75	0.00	30.75	5.81	2.75	0.00
28.20	5.81	2.75	0.00	30.80	5.81	2.75	0.00
28.25	5.81	2.75	0.00	30.85	5.81	2.75	0.00
28.30	5.81	2.75	0.00	30.90	5.81	2.75	0.00
28.35	5.81	2.75	0.00	30.95	5.81	2.75	0.00
28.40	5.81	2.75	0.00	31.00	5.81	2.75	0.00
28.45	5.81	2.75	0.00	31.05	5.81	2.75	0.00
28.50	5.81	2.75	0.00	31.10	5.81	2.75	0.00
28.55	5.81	2.75	0.00	31.15	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.75	0.00	33.80	5.81	2.75	0.00
31.25	5.81	2.75	0.00	33.85	5.81	2.75	0.00
31.30	5.81	2.75	0.00	33.90	5.81	2.75	0.00
31.35	5.81	2.75	0.00	33.95	5.81	2.75	0.00
31.40	5.81	2.75	0.00	34.00	5.81	2.75	0.00
31.45	5.81	2.75	0.00	34.05	5.81	2.75	0.00
31.50	5.81	2.75	0.00	34.10	5.81	2.75	0.00
31.55	5.81	2.75	0.00	34.15	5.81	2.75	0.00
31.60	5.81	2.75	0.00	34.20	5.81	2.75	0.00
31.65	5.81	2.75	0.00	34.25	5.81	2.75	0.00
31.70	5.81	2.75	0.00	34.30	5.81	2.75	0.00
31.75	5.81	2.75	0.00	34.35	5.81	2.75	0.00
31.80	5.81	2.75	0.00	34.40	5.81	2.75	0.00
31.85	5.81	2.75	0.00	34.45	5.81	2.75	0.00
31.90	5.81	2.75	0.00	34.50	5.81	2.75	0.00
31.95	5.81	2.75	0.00	34.55	5.81	2.75	0.00
32.00	5.81	2.75	0.00	34.60	5.81	2.75	0.00
32.05	5.81	2.75	0.00	34.65	5.81	2.75	0.00
32.10	5.81	2.75	0.00	34.70	5.81	2.75	0.00
32.15	5.81	2.75	0.00	34.75	5.81	2.75	0.00
32.20	5.81	2.75	0.00	34.80	5.81	2.75	0.00
32.25	5.81	2.75	0.00	34.85	5.81	2.75	0.00
32.30	5.81	2.75	0.00	34.90	5.81	2.75	0.00
32.35	5.81	2.75	0.00	34.95	5.81	2.75	0.00
32.40	5.81	2.75	0.00	35.00	5.81	2.75	0.00
32.45	5.81	2.75	0.00	35.05	5.81	2.75	0.00
32.50	5.81	2.75	0.00	35.10	5.81	2.75	0.00
32.55	5.81	2.75	0.00	35.15	5.81	2.75	0.00
32.60	5.81	2.75	0.00	35.20	5.81	2.75	0.00
32.65	5.81	2.75	0.00	35.25	5.81	2.75	0.00
32.70	5.81	2.75	0.00	35.30	5.81	2.75	0.00
32.75	5.81	2.75	0.00	35.35	5.81	2.75	0.00
32.80	5.81	2.75	0.00	35.40	5.81	2.75	0.00
32.85	5.81	2.75	0.00	35.45	5.81	2.75	0.00
32.90	5.81	2.75	0.00	35.50	5.81	2.75	0.00
32.95	5.81	2.75	0.00	35.55	5.81	2.75	0.00
33.00	5.81	2.75	0.00	35.60	5.81	2.75	0.00
33.05	5.81	2.75	0.00	35.65	5.81	2.75	0.00
33.10	5.81	2.75	0.00	35.70	5.81	2.75	0.00
33.15	5.81	2.75	0.00	35.75	5.81	2.75	0.00
33.20	5.81	2.75	0.00	35.80	5.81	2.75	0.00
33.25	5.81	2.75	0.00	35.85	5.81	2.75	0.00
33.30	5.81	2.75	0.00	35.90	5.81	2.75	0.00
33.35	5.81	2.75	0.00	35.95	5.81	2.75	0.00
33.40	5.81	2.75	0.00	36.00	5.81	2.75	0.00
33.45	5.81	2.75	0.00	36.05	5.81	2.75	0.00
33.50	5.81	2.75	0.00	36.10	5.81	2.75	0.00
33.55	5.81	2.75	0.00	36.15	5.81	2.75	0.00
33.60	5.81	2.75	0.00	36.20	5.81	2.75	0.00
33.65	5.81	2.75	0.00	36.25	5.81	2.75	0.00
33.70	5.81	2.75	0.00	36.30	5.81	2.75	0.00
33.75	5.81	2.75	0.00	36.35	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.75	0.00	39.00	5.81	2.75	0.00
36.45	5.81	2.75	0.00	39.05	5.81	2.75	0.00
36.50	5.81	2.75	0.00	39.10	5.81	2.75	0.00
36.55	5.81	2.75	0.00	39.15	5.81	2.75	0.00
36.60	5.81	2.75	0.00	39.20	5.81	2.75	0.00
36.65	5.81	2.75	0.00	39.25	5.81	2.75	0.00
36.70	5.81	2.75	0.00	39.30	5.81	2.75	0.00
36.75	5.81	2.75	0.00	39.35	5.81	2.75	0.00
36.80	5.81	2.75	0.00	39.40	5.81	2.75	0.00
36.85	5.81	2.75	0.00	39.45	5.81	2.75	0.00
36.90	5.81	2.75	0.00	39.50	5.81	2.75	0.00
36.95	5.81	2.75	0.00	39.55	5.81	2.75	0.00
37.00	5.81	2.75	0.00	39.60	5.81	2.75	0.00
37.05	5.81	2.75	0.00	39.65	5.81	2.75	0.00
37.10	5.81	2.75	0.00	39.70	5.81	2.75	0.00
37.15	5.81	2.75	0.00	39.75	5.81	2.75	0.00
37.20	5.81	2.75	0.00	39.80	5.81	2.75	0.00
37.25	5.81	2.75	0.00	39.85	5.81	2.75	0.00
37.30	5.81	2.75	0.00	39.90	5.81	2.75	0.00
37.35	5.81	2.75	0.00	39.95	5.81	2.75	0.00
37.40	5.81	2.75	0.00	40.00	5.81	2.75	0.00
37.45	5.81	2.75	0.00				
37.50	5.81	2.75	0.00				
37.55	5.81	2.75	0.00				
37.60	5.81	2.75	0.00				
37.65	5.81	2.75	0.00				
37.70	5.81	2.75	0.00				
37.75	5.81	2.75	0.00				
37.80	5.81	2.75	0.00				
37.85	5.81	2.75	0.00				
37.90	5.81	2.75	0.00				
37.95	5.81	2.75	0.00				
38.00	5.81	2.75	0.00				
38.05	5.81	2.75	0.00				
38.10	5.81	2.75	0.00				
38.15	5.81	2.75	0.00				
38.20	5.81	2.75	0.00				
38.25	5.81	2.75	0.00				
38.30	5.81	2.75	0.00				
38.35	5.81	2.75	0.00				
38.40	5.81	2.75	0.00				
38.45	5.81	2.75	0.00				
38.50	5.81	2.75	0.00				
38.55	5.81	2.75	0.00				
38.60	5.81	2.75	0.00				
38.65	5.81	2.75	0.00				
38.70	5.81	2.75	0.00				
38.75	5.81	2.75	0.00				
38.80	5.81	2.75	0.00				
38.85	5.81	2.75	0.00				
38.90	5.81	2.75	0.00				
38.95	5.81	2.75	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 91.50 cfs @ 12.16 hrs, Volume= 6.603 af, Depth= 2.66"
Routed to Link XDA-6O : XDA-6O

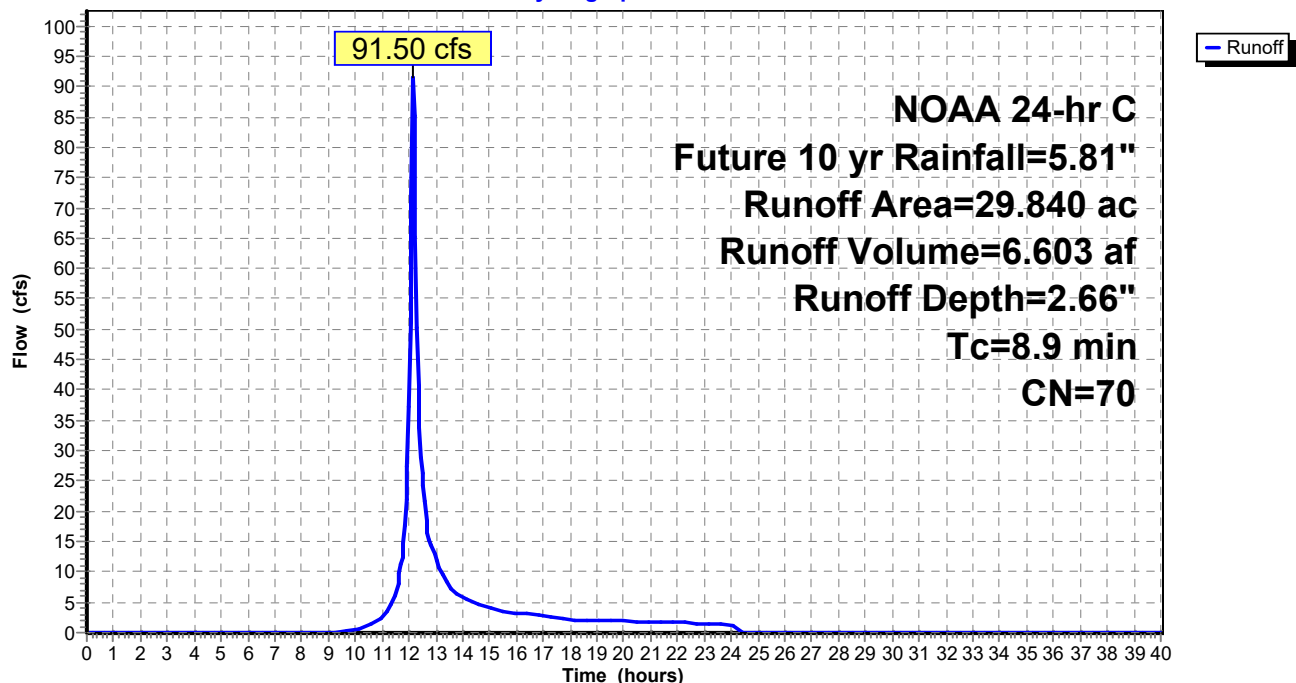
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.05
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.08
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.10
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.13
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.16
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.19
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.22
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.26
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.29
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.33
7.20	0.59	0.00	0.00	9.80	1.01	0.01	0.37
7.25	0.60	0.00	0.00	9.85	1.02	0.01	0.41
7.30	0.60	0.00	0.00	9.90	1.03	0.01	0.45
7.35	0.61	0.00	0.00	9.95	1.05	0.01	0.50
7.40	0.62	0.00	0.00	10.00	1.06	0.01	0.54
7.45	0.62	0.00	0.00	10.05	1.07	0.01	0.59
7.50	0.63	0.00	0.00	10.10	1.09	0.01	0.64
7.55	0.64	0.00	0.00	10.15	1.10	0.01	0.69
7.60	0.64	0.00	0.00	10.20	1.11	0.01	0.74
7.65	0.65	0.00	0.00	10.25	1.13	0.02	0.80
7.70	0.65	0.00	0.00	10.30	1.14	0.02	0.85
7.75	0.66	0.00	0.00	10.35	1.15	0.02	0.91

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.02	0.97	13.00	4.42	1.61	12.08
10.45	1.18	0.02	1.03	13.05	4.44	1.63	11.47
10.50	1.20	0.03	1.09	13.10	4.46	1.65	10.84
10.55	1.21	0.03	1.16	13.15	4.48	1.66	10.25
10.60	1.23	0.03	1.26	13.20	4.50	1.68	9.77
10.65	1.25	0.03	1.37	13.25	4.52	1.69	9.38
10.70	1.27	0.04	1.50	13.30	4.54	1.70	9.01
10.75	1.29	0.04	1.63	13.35	4.56	1.72	8.67
10.80	1.31	0.04	1.78	13.40	4.58	1.73	8.32
10.85	1.33	0.05	1.94	13.45	4.60	1.74	7.98
10.90	1.35	0.05	2.11	13.50	4.61	1.75	7.63
10.95	1.37	0.06	2.28	13.55	4.63	1.76	7.29
11.00	1.39	0.06	2.47	13.60	4.64	1.77	6.95
11.05	1.42	0.07	2.67	13.65	4.66	1.79	6.63
11.10	1.45	0.07	2.93	13.70	4.67	1.80	6.41
11.15	1.48	0.08	3.22	13.75	4.68	1.81	6.27
11.20	1.51	0.09	3.55	13.80	4.70	1.82	6.16
11.25	1.54	0.09	3.90	13.85	4.71	1.82	6.06
11.30	1.57	0.10	4.28	13.90	4.72	1.83	5.97
11.35	1.61	0.11	4.68	13.95	4.74	1.84	5.89
11.40	1.64	0.12	5.11	14.00	4.75	1.85	5.80
11.45	1.68	0.13	5.54	14.05	4.76	1.86	5.71
11.50	1.72	0.14	5.99	14.10	4.78	1.87	5.62
11.55	1.78	0.16	6.60	14.15	4.79	1.88	5.53
11.60	1.83	0.18	7.99	14.20	4.80	1.89	5.44
11.65	1.90	0.20	9.74	14.25	4.81	1.90	5.36
11.70	1.96	0.22	11.16	14.30	4.82	1.91	5.26
11.75	2.04	0.26	12.50	14.35	4.83	1.91	5.17
11.80	2.13	0.29	14.70	14.40	4.85	1.92	5.08
11.85	2.25	0.34	17.71	14.45	4.86	1.93	4.99
11.90	2.36	0.39	21.86	14.50	4.87	1.94	4.90
11.95	2.57	0.49	27.52	14.55	4.88	1.95	4.81
12.00	2.77	0.59	37.33	14.60	4.89	1.95	4.72
12.05	3.11	0.78	51.08	14.65	4.90	1.96	4.63
12.10	3.45	0.98	71.61	14.70	4.91	1.97	4.53
12.15	3.56	1.05	90.57	14.75	4.92	1.97	4.44
12.20	3.68	1.12	85.14	14.80	4.93	1.98	4.35
12.25	3.77	1.18	65.37	14.85	4.94	1.99	4.26
12.30	3.85	1.23	50.21	14.90	4.94	2.00	4.17
12.35	3.91	1.27	40.68	14.95	4.95	2.00	4.07
12.40	3.98	1.31	33.89	15.00	4.96	2.01	3.97
12.45	4.03	1.35	28.98	15.05	4.97	2.01	3.88
12.50	4.09	1.39	26.19	15.10	4.98	2.02	3.79
12.55	4.13	1.42	24.39	15.15	4.99	2.03	3.71
12.60	4.17	1.44	21.57	15.20	4.99	2.03	3.65
12.65	4.20	1.47	18.47	15.25	5.00	2.04	3.61
12.70	4.24	1.49	16.52	15.30	5.01	2.04	3.57
12.75	4.27	1.51	15.44	15.35	5.02	2.05	3.55
12.80	4.30	1.54	14.63	15.40	5.03	2.06	3.53
12.85	4.33	1.56	13.96	15.45	5.03	2.06	3.50
12.90	4.36	1.58	13.32	15.50	5.04	2.07	3.48
12.95	4.39	1.60	12.71	15.55	5.05	2.07	3.45

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.08	3.43	18.20	5.37	2.31	2.15
15.65	5.06	2.08	3.41	18.25	5.37	2.32	2.14
15.70	5.07	2.09	3.38	18.30	5.38	2.32	2.13
15.75	5.08	2.09	3.36	18.35	5.38	2.32	2.13
15.80	5.09	2.10	3.33	18.40	5.39	2.33	2.12
15.85	5.09	2.11	3.31	18.45	5.39	2.33	2.11
15.90	5.10	2.11	3.29	18.50	5.40	2.33	2.11
15.95	5.11	2.12	3.27	18.55	5.40	2.34	2.10
16.00	5.11	2.12	3.24	18.60	5.40	2.34	2.10
16.05	5.12	2.13	3.21	18.65	5.41	2.34	2.09
16.10	5.13	2.13	3.19	18.70	5.41	2.35	2.08
16.15	5.13	2.14	3.17	18.75	5.42	2.35	2.08
16.20	5.14	2.14	3.15	18.80	5.42	2.35	2.07
16.25	5.15	2.15	3.12	18.85	5.43	2.36	2.06
16.30	5.16	2.15	3.09	18.90	5.43	2.36	2.06
16.35	5.16	2.16	3.07	18.95	5.44	2.37	2.05
16.40	5.17	2.16	3.04	19.00	5.44	2.37	2.05
16.45	5.17	2.17	3.02	19.05	5.44	2.37	2.04
16.50	5.18	2.17	2.99	19.10	5.45	2.38	2.03
16.55	5.19	2.18	2.97	19.15	5.45	2.38	2.03
16.60	5.19	2.18	2.94	19.20	5.46	2.38	2.02
16.65	5.20	2.19	2.92	19.25	5.46	2.39	2.02
16.70	5.21	2.19	2.90	19.30	5.47	2.39	2.01
16.75	5.21	2.20	2.87	19.35	5.47	2.39	2.00
16.80	5.22	2.20	2.85	19.40	5.48	2.40	2.00
16.85	5.23	2.20	2.82	19.45	5.48	2.40	1.99
16.90	5.23	2.21	2.79	19.50	5.48	2.40	1.99
16.95	5.24	2.21	2.77	19.55	5.49	2.41	1.98
17.00	5.24	2.22	2.75	19.60	5.49	2.41	1.97
17.05	5.25	2.22	2.73	19.65	5.50	2.41	1.97
17.10	5.25	2.23	2.70	19.70	5.50	2.41	1.96
17.15	5.26	2.23	2.68	19.75	5.50	2.42	1.96
17.20	5.27	2.24	2.65	19.80	5.51	2.42	1.95
17.25	5.27	2.24	2.62	19.85	5.51	2.42	1.95
17.30	5.28	2.24	2.60	19.90	5.52	2.43	1.94
17.35	5.28	2.25	2.57	19.95	5.52	2.43	1.93
17.40	5.29	2.25	2.54	20.00	5.53	2.43	1.93
17.45	5.29	2.26	2.52	20.05	5.53	2.44	1.92
17.50	5.30	2.26	2.50	20.10	5.53	2.44	1.91
17.55	5.30	2.26	2.47	20.15	5.54	2.44	1.91
17.60	5.31	2.27	2.45	20.20	5.54	2.45	1.90
17.65	5.31	2.27	2.42	20.25	5.55	2.45	1.89
17.70	5.32	2.28	2.40	20.30	5.55	2.45	1.89
17.75	5.33	2.28	2.37	20.35	5.55	2.46	1.88
17.80	5.33	2.28	2.34	20.40	5.56	2.46	1.87
17.85	5.34	2.29	2.32	20.45	5.56	2.46	1.87
17.90	5.34	2.29	2.29	20.50	5.57	2.47	1.86
17.95	5.34	2.30	2.27	20.55	5.57	2.47	1.86
18.00	5.35	2.30	2.24	20.60	5.57	2.47	1.85
18.05	5.35	2.30	2.22	20.65	5.58	2.47	1.85
18.10	5.36	2.31	2.19	20.70	5.58	2.48	1.84
18.15	5.36	2.31	2.17	20.75	5.59	2.48	1.83

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.48	1.83	23.40	5.77	2.63	1.49
20.85	5.59	2.49	1.82	23.45	5.78	2.63	1.49
20.90	5.60	2.49	1.81	23.50	5.78	2.63	1.48
20.95	5.60	2.49	1.81	23.55	5.78	2.63	1.47
21.00	5.61	2.50	1.80	23.60	5.78	2.64	1.46
21.05	5.61	2.50	1.79	23.65	5.79	2.64	1.46
21.10	5.61	2.50	1.79	23.70	5.79	2.64	1.45
21.15	5.62	2.50	1.78	23.75	5.79	2.64	1.45
21.20	5.62	2.51	1.77	23.80	5.80	2.64	1.44
21.25	5.62	2.51	1.77	23.85	5.80	2.65	1.43
21.30	5.63	2.51	1.76	23.90	5.80	2.65	1.43
21.35	5.63	2.52	1.76	23.95	5.81	2.65	1.44
21.40	5.64	2.52	1.76	24.00	5.81	2.66	1.52
21.45	5.64	2.52	1.75	24.05	5.81	2.66	1.55
21.50	5.64	2.52	1.74	24.10	5.81	2.66	1.16
21.55	5.65	2.53	1.73	24.15	5.81	2.66	0.59
21.60	5.65	2.53	1.72	24.20	5.81	2.66	0.26
21.65	5.65	2.53	1.72	24.25	5.81	2.66	0.11
21.70	5.66	2.54	1.71	24.30	5.81	2.66	0.05
21.75	5.66	2.54	1.70	24.35	5.81	2.66	0.02
21.80	5.66	2.54	1.70	24.40	5.81	2.66	0.01
21.85	5.67	2.54	1.70	24.45	5.81	2.66	0.00
21.90	5.67	2.55	1.69	24.50	5.81	2.66	0.00
21.95	5.68	2.55	1.68	24.55	5.81	2.66	0.00
22.00	5.68	2.55	1.67	24.60	5.81	2.66	0.00
22.05	5.68	2.56	1.67	24.65	5.81	2.66	0.00
22.10	5.69	2.56	1.66	24.70	5.81	2.66	0.00
22.15	5.69	2.56	1.65	24.75	5.81	2.66	0.00
22.20	5.69	2.56	1.65	24.80	5.81	2.66	0.00
22.25	5.70	2.57	1.65	24.85	5.81	2.66	0.00
22.30	5.70	2.57	1.64	24.90	5.81	2.66	0.00
22.35	5.70	2.57	1.63	24.95	5.81	2.66	0.00
22.40	5.71	2.57	1.62	25.00	5.81	2.66	0.00
22.45	5.71	2.58	1.61	25.05	5.81	2.66	0.00
22.50	5.71	2.58	1.61	25.10	5.81	2.66	0.00
22.55	5.72	2.58	1.60	25.15	5.81	2.66	0.00
22.60	5.72	2.58	1.60	25.20	5.81	2.66	0.00
22.65	5.72	2.59	1.60	25.25	5.81	2.66	0.00
22.70	5.73	2.59	1.59	25.30	5.81	2.66	0.00
22.75	5.73	2.59	1.58	25.35	5.81	2.66	0.00
22.80	5.73	2.60	1.57	25.40	5.81	2.66	0.00
22.85	5.74	2.60	1.56	25.45	5.81	2.66	0.00
22.90	5.74	2.60	1.56	25.50	5.81	2.66	0.00
22.95	5.74	2.60	1.55	25.55	5.81	2.66	0.00
23.00	5.75	2.61	1.55	25.60	5.81	2.66	0.00
23.05	5.75	2.61	1.54	25.65	5.81	2.66	0.00
23.10	5.75	2.61	1.54	25.70	5.81	2.66	0.00
23.15	5.76	2.61	1.53	25.75	5.81	2.66	0.00
23.20	5.76	2.62	1.52	25.80	5.81	2.66	0.00
23.25	5.76	2.62	1.51	25.85	5.81	2.66	0.00
23.30	5.77	2.62	1.50	25.90	5.81	2.66	0.00
23.35	5.77	2.62	1.50	25.95	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.66	0.00	28.60	5.81	2.66	0.00
26.05	5.81	2.66	0.00	28.65	5.81	2.66	0.00
26.10	5.81	2.66	0.00	28.70	5.81	2.66	0.00
26.15	5.81	2.66	0.00	28.75	5.81	2.66	0.00
26.20	5.81	2.66	0.00	28.80	5.81	2.66	0.00
26.25	5.81	2.66	0.00	28.85	5.81	2.66	0.00
26.30	5.81	2.66	0.00	28.90	5.81	2.66	0.00
26.35	5.81	2.66	0.00	28.95	5.81	2.66	0.00
26.40	5.81	2.66	0.00	29.00	5.81	2.66	0.00
26.45	5.81	2.66	0.00	29.05	5.81	2.66	0.00
26.50	5.81	2.66	0.00	29.10	5.81	2.66	0.00
26.55	5.81	2.66	0.00	29.15	5.81	2.66	0.00
26.60	5.81	2.66	0.00	29.20	5.81	2.66	0.00
26.65	5.81	2.66	0.00	29.25	5.81	2.66	0.00
26.70	5.81	2.66	0.00	29.30	5.81	2.66	0.00
26.75	5.81	2.66	0.00	29.35	5.81	2.66	0.00
26.80	5.81	2.66	0.00	29.40	5.81	2.66	0.00
26.85	5.81	2.66	0.00	29.45	5.81	2.66	0.00
26.90	5.81	2.66	0.00	29.50	5.81	2.66	0.00
26.95	5.81	2.66	0.00	29.55	5.81	2.66	0.00
27.00	5.81	2.66	0.00	29.60	5.81	2.66	0.00
27.05	5.81	2.66	0.00	29.65	5.81	2.66	0.00
27.10	5.81	2.66	0.00	29.70	5.81	2.66	0.00
27.15	5.81	2.66	0.00	29.75	5.81	2.66	0.00
27.20	5.81	2.66	0.00	29.80	5.81	2.66	0.00
27.25	5.81	2.66	0.00	29.85	5.81	2.66	0.00
27.30	5.81	2.66	0.00	29.90	5.81	2.66	0.00
27.35	5.81	2.66	0.00	29.95	5.81	2.66	0.00
27.40	5.81	2.66	0.00	30.00	5.81	2.66	0.00
27.45	5.81	2.66	0.00	30.05	5.81	2.66	0.00
27.50	5.81	2.66	0.00	30.10	5.81	2.66	0.00
27.55	5.81	2.66	0.00	30.15	5.81	2.66	0.00
27.60	5.81	2.66	0.00	30.20	5.81	2.66	0.00
27.65	5.81	2.66	0.00	30.25	5.81	2.66	0.00
27.70	5.81	2.66	0.00	30.30	5.81	2.66	0.00
27.75	5.81	2.66	0.00	30.35	5.81	2.66	0.00
27.80	5.81	2.66	0.00	30.40	5.81	2.66	0.00
27.85	5.81	2.66	0.00	30.45	5.81	2.66	0.00
27.90	5.81	2.66	0.00	30.50	5.81	2.66	0.00
27.95	5.81	2.66	0.00	30.55	5.81	2.66	0.00
28.00	5.81	2.66	0.00	30.60	5.81	2.66	0.00
28.05	5.81	2.66	0.00	30.65	5.81	2.66	0.00
28.10	5.81	2.66	0.00	30.70	5.81	2.66	0.00
28.15	5.81	2.66	0.00	30.75	5.81	2.66	0.00
28.20	5.81	2.66	0.00	30.80	5.81	2.66	0.00
28.25	5.81	2.66	0.00	30.85	5.81	2.66	0.00
28.30	5.81	2.66	0.00	30.90	5.81	2.66	0.00
28.35	5.81	2.66	0.00	30.95	5.81	2.66	0.00
28.40	5.81	2.66	0.00	31.00	5.81	2.66	0.00
28.45	5.81	2.66	0.00	31.05	5.81	2.66	0.00
28.50	5.81	2.66	0.00	31.10	5.81	2.66	0.00
28.55	5.81	2.66	0.00	31.15	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.66	0.00	33.80	5.81	2.66	0.00
31.25	5.81	2.66	0.00	33.85	5.81	2.66	0.00
31.30	5.81	2.66	0.00	33.90	5.81	2.66	0.00
31.35	5.81	2.66	0.00	33.95	5.81	2.66	0.00
31.40	5.81	2.66	0.00	34.00	5.81	2.66	0.00
31.45	5.81	2.66	0.00	34.05	5.81	2.66	0.00
31.50	5.81	2.66	0.00	34.10	5.81	2.66	0.00
31.55	5.81	2.66	0.00	34.15	5.81	2.66	0.00
31.60	5.81	2.66	0.00	34.20	5.81	2.66	0.00
31.65	5.81	2.66	0.00	34.25	5.81	2.66	0.00
31.70	5.81	2.66	0.00	34.30	5.81	2.66	0.00
31.75	5.81	2.66	0.00	34.35	5.81	2.66	0.00
31.80	5.81	2.66	0.00	34.40	5.81	2.66	0.00
31.85	5.81	2.66	0.00	34.45	5.81	2.66	0.00
31.90	5.81	2.66	0.00	34.50	5.81	2.66	0.00
31.95	5.81	2.66	0.00	34.55	5.81	2.66	0.00
32.00	5.81	2.66	0.00	34.60	5.81	2.66	0.00
32.05	5.81	2.66	0.00	34.65	5.81	2.66	0.00
32.10	5.81	2.66	0.00	34.70	5.81	2.66	0.00
32.15	5.81	2.66	0.00	34.75	5.81	2.66	0.00
32.20	5.81	2.66	0.00	34.80	5.81	2.66	0.00
32.25	5.81	2.66	0.00	34.85	5.81	2.66	0.00
32.30	5.81	2.66	0.00	34.90	5.81	2.66	0.00
32.35	5.81	2.66	0.00	34.95	5.81	2.66	0.00
32.40	5.81	2.66	0.00	35.00	5.81	2.66	0.00
32.45	5.81	2.66	0.00	35.05	5.81	2.66	0.00
32.50	5.81	2.66	0.00	35.10	5.81	2.66	0.00
32.55	5.81	2.66	0.00	35.15	5.81	2.66	0.00
32.60	5.81	2.66	0.00	35.20	5.81	2.66	0.00
32.65	5.81	2.66	0.00	35.25	5.81	2.66	0.00
32.70	5.81	2.66	0.00	35.30	5.81	2.66	0.00
32.75	5.81	2.66	0.00	35.35	5.81	2.66	0.00
32.80	5.81	2.66	0.00	35.40	5.81	2.66	0.00
32.85	5.81	2.66	0.00	35.45	5.81	2.66	0.00
32.90	5.81	2.66	0.00	35.50	5.81	2.66	0.00
32.95	5.81	2.66	0.00	35.55	5.81	2.66	0.00
33.00	5.81	2.66	0.00	35.60	5.81	2.66	0.00
33.05	5.81	2.66	0.00	35.65	5.81	2.66	0.00
33.10	5.81	2.66	0.00	35.70	5.81	2.66	0.00
33.15	5.81	2.66	0.00	35.75	5.81	2.66	0.00
33.20	5.81	2.66	0.00	35.80	5.81	2.66	0.00
33.25	5.81	2.66	0.00	35.85	5.81	2.66	0.00
33.30	5.81	2.66	0.00	35.90	5.81	2.66	0.00
33.35	5.81	2.66	0.00	35.95	5.81	2.66	0.00
33.40	5.81	2.66	0.00	36.00	5.81	2.66	0.00
33.45	5.81	2.66	0.00	36.05	5.81	2.66	0.00
33.50	5.81	2.66	0.00	36.10	5.81	2.66	0.00
33.55	5.81	2.66	0.00	36.15	5.81	2.66	0.00
33.60	5.81	2.66	0.00	36.20	5.81	2.66	0.00
33.65	5.81	2.66	0.00	36.25	5.81	2.66	0.00
33.70	5.81	2.66	0.00	36.30	5.81	2.66	0.00
33.75	5.81	2.66	0.00	36.35	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.66	0.00	39.00	5.81	2.66	0.00
36.45	5.81	2.66	0.00	39.05	5.81	2.66	0.00
36.50	5.81	2.66	0.00	39.10	5.81	2.66	0.00
36.55	5.81	2.66	0.00	39.15	5.81	2.66	0.00
36.60	5.81	2.66	0.00	39.20	5.81	2.66	0.00
36.65	5.81	2.66	0.00	39.25	5.81	2.66	0.00
36.70	5.81	2.66	0.00	39.30	5.81	2.66	0.00
36.75	5.81	2.66	0.00	39.35	5.81	2.66	0.00
36.80	5.81	2.66	0.00	39.40	5.81	2.66	0.00
36.85	5.81	2.66	0.00	39.45	5.81	2.66	0.00
36.90	5.81	2.66	0.00	39.50	5.81	2.66	0.00
36.95	5.81	2.66	0.00	39.55	5.81	2.66	0.00
37.00	5.81	2.66	0.00	39.60	5.81	2.66	0.00
37.05	5.81	2.66	0.00	39.65	5.81	2.66	0.00
37.10	5.81	2.66	0.00	39.70	5.81	2.66	0.00
37.15	5.81	2.66	0.00	39.75	5.81	2.66	0.00
37.20	5.81	2.66	0.00	39.80	5.81	2.66	0.00
37.25	5.81	2.66	0.00	39.85	5.81	2.66	0.00
37.30	5.81	2.66	0.00	39.90	5.81	2.66	0.00
37.35	5.81	2.66	0.00	39.95	5.81	2.66	0.00
37.40	5.81	2.66	0.00	40.00	5.81	2.66	0.00
37.45	5.81	2.66	0.00				
37.50	5.81	2.66	0.00				
37.55	5.81	2.66	0.00				
37.60	5.81	2.66	0.00				
37.65	5.81	2.66	0.00				
37.70	5.81	2.66	0.00				
37.75	5.81	2.66	0.00				
37.80	5.81	2.66	0.00				
37.85	5.81	2.66	0.00				
37.90	5.81	2.66	0.00				
37.95	5.81	2.66	0.00				
38.00	5.81	2.66	0.00				
38.05	5.81	2.66	0.00				
38.10	5.81	2.66	0.00				
38.15	5.81	2.66	0.00				
38.20	5.81	2.66	0.00				
38.25	5.81	2.66	0.00				
38.30	5.81	2.66	0.00				
38.35	5.81	2.66	0.00				
38.40	5.81	2.66	0.00				
38.45	5.81	2.66	0.00				
38.50	5.81	2.66	0.00				
38.55	5.81	2.66	0.00				
38.60	5.81	2.66	0.00				
38.65	5.81	2.66	0.00				
38.70	5.81	2.66	0.00				
38.75	5.81	2.66	0.00				
38.80	5.81	2.66	0.00				
38.85	5.81	2.66	0.00				
38.90	5.81	2.66	0.00				
38.95	5.81	2.66	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 9.11 cfs @ 12.18 hrs, Volume= 0.712 af, Depth= 1.80"
Routed to Link XDA-4 : Existing Drainage Area #4

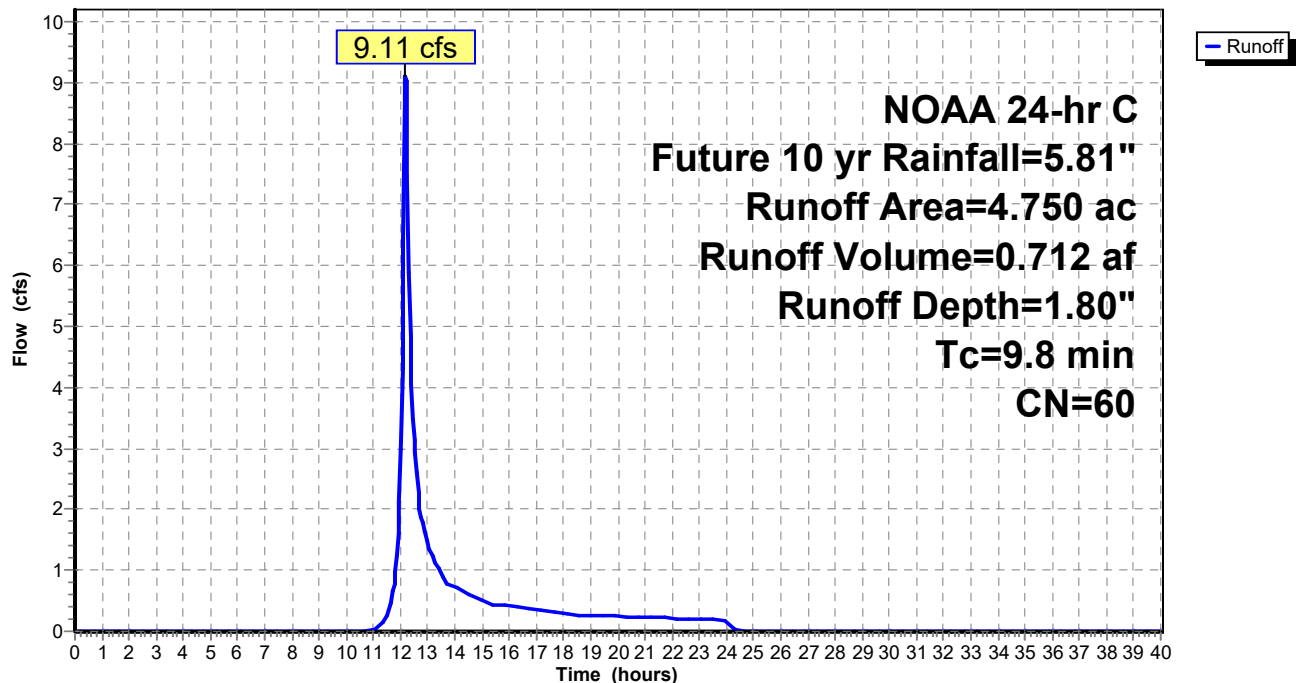
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.00	13.00	4.42	0.97	1.47
10.45	1.18	0.00	0.00	13.05	4.44	0.99	1.40
10.50	1.20	0.00	0.00	13.10	4.46	1.00	1.33
10.55	1.21	0.00	0.00	13.15	4.48	1.01	1.26
10.60	1.23	0.00	0.00	13.20	4.50	1.02	1.20
10.65	1.25	0.00	0.00	13.25	4.52	1.03	1.15
10.70	1.27	0.00	0.00	13.30	4.54	1.04	1.11
10.75	1.29	0.00	0.00	13.35	4.56	1.05	1.07
10.80	1.31	0.00	0.00	13.40	4.58	1.06	1.02
10.85	1.33	0.00	0.00	13.45	4.60	1.07	0.98
10.90	1.35	0.00	0.00	13.50	4.61	1.08	0.94
10.95	1.37	0.00	0.00	13.55	4.63	1.09	0.90
11.00	1.39	0.00	0.01	13.60	4.64	1.10	0.86
11.05	1.42	0.00	0.01	13.65	4.66	1.11	0.82
11.10	1.45	0.00	0.03	13.70	4.67	1.11	0.79
11.15	1.48	0.00	0.05	13.75	4.68	1.12	0.77
11.20	1.51	0.00	0.07	13.80	4.70	1.13	0.76
11.25	1.54	0.01	0.09	13.85	4.71	1.14	0.75
11.30	1.57	0.01	0.12	13.90	4.72	1.14	0.74
11.35	1.61	0.01	0.15	13.95	4.74	1.15	0.73
11.40	1.64	0.01	0.18	14.00	4.75	1.16	0.72
11.45	1.68	0.02	0.22	14.05	4.76	1.17	0.71
11.50	1.72	0.02	0.26	14.10	4.78	1.17	0.70
11.55	1.78	0.03	0.31	14.15	4.79	1.18	0.69
11.60	1.83	0.04	0.40	14.20	4.80	1.19	0.68
11.65	1.90	0.04	0.53	14.25	4.81	1.19	0.67
11.70	1.96	0.05	0.65	14.30	4.82	1.20	0.65
11.75	2.04	0.07	0.78	14.35	4.83	1.21	0.64
11.80	2.13	0.08	0.97	14.40	4.85	1.21	0.63
11.85	2.25	0.11	1.23	14.45	4.86	1.22	0.62
11.90	2.36	0.14	1.60	14.50	4.87	1.22	0.61
11.95	2.57	0.19	2.12	14.55	4.88	1.23	0.60
12.00	2.77	0.25	3.00	14.60	4.89	1.24	0.59
12.05	3.11	0.37	4.32	14.65	4.90	1.24	0.58
12.10	3.45	0.51	6.40	14.70	4.91	1.25	0.57
12.15	3.56	0.56	8.69	14.75	4.92	1.25	0.56
12.20	3.68	0.61	9.01	14.80	4.93	1.26	0.55
12.25	3.77	0.65	7.47	14.85	4.94	1.26	0.53
12.30	3.85	0.69	5.89	14.90	4.94	1.27	0.52
12.35	3.91	0.72	4.83	14.95	4.95	1.27	0.51
12.40	3.98	0.75	4.06	15.00	4.96	1.28	0.50
12.45	4.03	0.78	3.49	15.05	4.97	1.28	0.49
12.50	4.09	0.81	3.13	15.10	4.98	1.29	0.48
12.55	4.13	0.83	2.92	15.15	4.99	1.29	0.47
12.60	4.17	0.85	2.62	15.20	4.99	1.30	0.46
12.65	4.20	0.86	2.27	15.25	5.00	1.30	0.45
12.70	4.24	0.88	2.01	15.30	5.01	1.31	0.45
12.75	4.27	0.90	1.87	15.35	5.02	1.31	0.45
12.80	4.30	0.92	1.77	15.40	5.03	1.32	0.44
12.85	4.33	0.93	1.69	15.45	5.03	1.32	0.44
12.90	4.36	0.95	1.61	15.50	5.04	1.32	0.44
12.95	4.39	0.96	1.54	15.55	5.05	1.33	0.43

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.33	0.43	18.20	5.37	1.52	0.28
15.65	5.06	1.34	0.43	18.25	5.37	1.52	0.27
15.70	5.07	1.34	0.43	18.30	5.38	1.53	0.27
15.75	5.08	1.35	0.42	18.35	5.38	1.53	0.27
15.80	5.09	1.35	0.42	18.40	5.39	1.53	0.27
15.85	5.09	1.36	0.42	18.45	5.39	1.54	0.27
15.90	5.10	1.36	0.41	18.50	5.40	1.54	0.27
15.95	5.11	1.36	0.41	18.55	5.40	1.54	0.27
16.00	5.11	1.37	0.41	18.60	5.40	1.54	0.27
16.05	5.12	1.37	0.41	18.65	5.41	1.55	0.27
16.10	5.13	1.38	0.40	18.70	5.41	1.55	0.27
16.15	5.13	1.38	0.40	18.75	5.42	1.55	0.27
16.20	5.14	1.38	0.40	18.80	5.42	1.55	0.27
16.25	5.15	1.39	0.39	18.85	5.43	1.56	0.26
16.30	5.16	1.39	0.39	18.90	5.43	1.56	0.26
16.35	5.16	1.40	0.39	18.95	5.44	1.56	0.26
16.40	5.17	1.40	0.39	19.00	5.44	1.57	0.26
16.45	5.17	1.40	0.38	19.05	5.44	1.57	0.26
16.50	5.18	1.41	0.38	19.10	5.45	1.57	0.26
16.55	5.19	1.41	0.38	19.15	5.45	1.57	0.26
16.60	5.19	1.42	0.37	19.20	5.46	1.58	0.26
16.65	5.20	1.42	0.37	19.25	5.46	1.58	0.26
16.70	5.21	1.42	0.37	19.30	5.47	1.58	0.26
16.75	5.21	1.43	0.36	19.35	5.47	1.58	0.26
16.80	5.22	1.43	0.36	19.40	5.48	1.59	0.26
16.85	5.23	1.43	0.36	19.45	5.48	1.59	0.26
16.90	5.23	1.44	0.35	19.50	5.48	1.59	0.26
16.95	5.24	1.44	0.35	19.55	5.49	1.60	0.25
17.00	5.24	1.45	0.35	19.60	5.49	1.60	0.25
17.05	5.25	1.45	0.35	19.65	5.50	1.60	0.25
17.10	5.25	1.45	0.34	19.70	5.50	1.60	0.25
17.15	5.26	1.46	0.34	19.75	5.50	1.61	0.25
17.20	5.27	1.46	0.34	19.80	5.51	1.61	0.25
17.25	5.27	1.46	0.33	19.85	5.51	1.61	0.25
17.30	5.28	1.47	0.33	19.90	5.52	1.61	0.25
17.35	5.28	1.47	0.33	19.95	5.52	1.62	0.25
17.40	5.29	1.47	0.32	20.00	5.53	1.62	0.25
17.45	5.29	1.48	0.32	20.05	5.53	1.62	0.25
17.50	5.30	1.48	0.32	20.10	5.53	1.62	0.25
17.55	5.30	1.48	0.32	20.15	5.54	1.63	0.25
17.60	5.31	1.49	0.31	20.20	5.54	1.63	0.24
17.65	5.31	1.49	0.31	20.25	5.55	1.63	0.24
17.70	5.32	1.49	0.31	20.30	5.55	1.63	0.24
17.75	5.33	1.50	0.30	20.35	5.55	1.64	0.24
17.80	5.33	1.50	0.30	20.40	5.56	1.64	0.24
17.85	5.34	1.50	0.30	20.45	5.56	1.64	0.24
17.90	5.34	1.50	0.29	20.50	5.57	1.64	0.24
17.95	5.34	1.51	0.29	20.55	5.57	1.65	0.24
18.00	5.35	1.51	0.29	20.60	5.57	1.65	0.24
18.05	5.35	1.51	0.28	20.65	5.58	1.65	0.24
18.10	5.36	1.52	0.28	20.70	5.58	1.65	0.24
18.15	5.36	1.52	0.28	20.75	5.59	1.66	0.24

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	1.66	0.24	23.40	5.77	1.77	0.19
20.85	5.59	1.66	0.23	23.45	5.78	1.78	0.19
20.90	5.60	1.66	0.23	23.50	5.78	1.78	0.19
20.95	5.60	1.67	0.23	23.55	5.78	1.78	0.19
21.00	5.61	1.67	0.23	23.60	5.78	1.78	0.19
21.05	5.61	1.67	0.23	23.65	5.79	1.78	0.19
21.10	5.61	1.67	0.23	23.70	5.79	1.79	0.19
21.15	5.62	1.68	0.23	23.75	5.79	1.79	0.19
21.20	5.62	1.68	0.23	23.80	5.80	1.79	0.19
21.25	5.62	1.68	0.23	23.85	5.80	1.79	0.19
21.30	5.63	1.68	0.23	23.90	5.80	1.79	0.19
21.35	5.63	1.68	0.23	23.95	5.81	1.80	0.19
21.40	5.64	1.69	0.23	24.00	5.81	1.80	0.20
21.45	5.64	1.69	0.23	24.05	5.81	1.80	0.20
21.50	5.64	1.69	0.22	24.10	5.81	1.80	0.16
21.55	5.65	1.69	0.22	24.15	5.81	1.80	0.09
21.60	5.65	1.70	0.22	24.20	5.81	1.80	0.04
21.65	5.65	1.70	0.22	24.25	5.81	1.80	0.02
21.70	5.66	1.70	0.22	24.30	5.81	1.80	0.01
21.75	5.66	1.70	0.22	24.35	5.81	1.80	0.00
21.80	5.66	1.71	0.22	24.40	5.81	1.80	0.00
21.85	5.67	1.71	0.22	24.45	5.81	1.80	0.00
21.90	5.67	1.71	0.22	24.50	5.81	1.80	0.00
21.95	5.68	1.71	0.22	24.55	5.81	1.80	0.00
22.00	5.68	1.71	0.22	24.60	5.81	1.80	0.00
22.05	5.68	1.72	0.22	24.65	5.81	1.80	0.00
22.10	5.69	1.72	0.22	24.70	5.81	1.80	0.00
22.15	5.69	1.72	0.21	24.75	5.81	1.80	0.00
22.20	5.69	1.72	0.21	24.80	5.81	1.80	0.00
22.25	5.70	1.73	0.21	24.85	5.81	1.80	0.00
22.30	5.70	1.73	0.21	24.90	5.81	1.80	0.00
22.35	5.70	1.73	0.21	24.95	5.81	1.80	0.00
22.40	5.71	1.73	0.21	25.00	5.81	1.80	0.00
22.45	5.71	1.73	0.21	25.05	5.81	1.80	0.00
22.50	5.71	1.74	0.21	25.10	5.81	1.80	0.00
22.55	5.72	1.74	0.21	25.15	5.81	1.80	0.00
22.60	5.72	1.74	0.21	25.20	5.81	1.80	0.00
22.65	5.72	1.74	0.21	25.25	5.81	1.80	0.00
22.70	5.73	1.75	0.21	25.30	5.81	1.80	0.00
22.75	5.73	1.75	0.21	25.35	5.81	1.80	0.00
22.80	5.73	1.75	0.20	25.40	5.81	1.80	0.00
22.85	5.74	1.75	0.20	25.45	5.81	1.80	0.00
22.90	5.74	1.75	0.20	25.50	5.81	1.80	0.00
22.95	5.74	1.76	0.20	25.55	5.81	1.80	0.00
23.00	5.75	1.76	0.20	25.60	5.81	1.80	0.00
23.05	5.75	1.76	0.20	25.65	5.81	1.80	0.00
23.10	5.75	1.76	0.20	25.70	5.81	1.80	0.00
23.15	5.76	1.76	0.20	25.75	5.81	1.80	0.00
23.20	5.76	1.77	0.20	25.80	5.81	1.80	0.00
23.25	5.76	1.77	0.20	25.85	5.81	1.80	0.00
23.30	5.77	1.77	0.20	25.90	5.81	1.80	0.00
23.35	5.77	1.77	0.19	25.95	5.81	1.80	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	1.80	0.00	28.60	5.81	1.80	0.00
26.05	5.81	1.80	0.00	28.65	5.81	1.80	0.00
26.10	5.81	1.80	0.00	28.70	5.81	1.80	0.00
26.15	5.81	1.80	0.00	28.75	5.81	1.80	0.00
26.20	5.81	1.80	0.00	28.80	5.81	1.80	0.00
26.25	5.81	1.80	0.00	28.85	5.81	1.80	0.00
26.30	5.81	1.80	0.00	28.90	5.81	1.80	0.00
26.35	5.81	1.80	0.00	28.95	5.81	1.80	0.00
26.40	5.81	1.80	0.00	29.00	5.81	1.80	0.00
26.45	5.81	1.80	0.00	29.05	5.81	1.80	0.00
26.50	5.81	1.80	0.00	29.10	5.81	1.80	0.00
26.55	5.81	1.80	0.00	29.15	5.81	1.80	0.00
26.60	5.81	1.80	0.00	29.20	5.81	1.80	0.00
26.65	5.81	1.80	0.00	29.25	5.81	1.80	0.00
26.70	5.81	1.80	0.00	29.30	5.81	1.80	0.00
26.75	5.81	1.80	0.00	29.35	5.81	1.80	0.00
26.80	5.81	1.80	0.00	29.40	5.81	1.80	0.00
26.85	5.81	1.80	0.00	29.45	5.81	1.80	0.00
26.90	5.81	1.80	0.00	29.50	5.81	1.80	0.00
26.95	5.81	1.80	0.00	29.55	5.81	1.80	0.00
27.00	5.81	1.80	0.00	29.60	5.81	1.80	0.00
27.05	5.81	1.80	0.00	29.65	5.81	1.80	0.00
27.10	5.81	1.80	0.00	29.70	5.81	1.80	0.00
27.15	5.81	1.80	0.00	29.75	5.81	1.80	0.00
27.20	5.81	1.80	0.00	29.80	5.81	1.80	0.00
27.25	5.81	1.80	0.00	29.85	5.81	1.80	0.00
27.30	5.81	1.80	0.00	29.90	5.81	1.80	0.00
27.35	5.81	1.80	0.00	29.95	5.81	1.80	0.00
27.40	5.81	1.80	0.00	30.00	5.81	1.80	0.00
27.45	5.81	1.80	0.00	30.05	5.81	1.80	0.00
27.50	5.81	1.80	0.00	30.10	5.81	1.80	0.00
27.55	5.81	1.80	0.00	30.15	5.81	1.80	0.00
27.60	5.81	1.80	0.00	30.20	5.81	1.80	0.00
27.65	5.81	1.80	0.00	30.25	5.81	1.80	0.00
27.70	5.81	1.80	0.00	30.30	5.81	1.80	0.00
27.75	5.81	1.80	0.00	30.35	5.81	1.80	0.00
27.80	5.81	1.80	0.00	30.40	5.81	1.80	0.00
27.85	5.81	1.80	0.00	30.45	5.81	1.80	0.00
27.90	5.81	1.80	0.00	30.50	5.81	1.80	0.00
27.95	5.81	1.80	0.00	30.55	5.81	1.80	0.00
28.00	5.81	1.80	0.00	30.60	5.81	1.80	0.00
28.05	5.81	1.80	0.00	30.65	5.81	1.80	0.00
28.10	5.81	1.80	0.00	30.70	5.81	1.80	0.00
28.15	5.81	1.80	0.00	30.75	5.81	1.80	0.00
28.20	5.81	1.80	0.00	30.80	5.81	1.80	0.00
28.25	5.81	1.80	0.00	30.85	5.81	1.80	0.00
28.30	5.81	1.80	0.00	30.90	5.81	1.80	0.00
28.35	5.81	1.80	0.00	30.95	5.81	1.80	0.00
28.40	5.81	1.80	0.00	31.00	5.81	1.80	0.00
28.45	5.81	1.80	0.00	31.05	5.81	1.80	0.00
28.50	5.81	1.80	0.00	31.10	5.81	1.80	0.00
28.55	5.81	1.80	0.00	31.15	5.81	1.80	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	1.80	0.00	33.80	5.81	1.80	0.00
31.25	5.81	1.80	0.00	33.85	5.81	1.80	0.00
31.30	5.81	1.80	0.00	33.90	5.81	1.80	0.00
31.35	5.81	1.80	0.00	33.95	5.81	1.80	0.00
31.40	5.81	1.80	0.00	34.00	5.81	1.80	0.00
31.45	5.81	1.80	0.00	34.05	5.81	1.80	0.00
31.50	5.81	1.80	0.00	34.10	5.81	1.80	0.00
31.55	5.81	1.80	0.00	34.15	5.81	1.80	0.00
31.60	5.81	1.80	0.00	34.20	5.81	1.80	0.00
31.65	5.81	1.80	0.00	34.25	5.81	1.80	0.00
31.70	5.81	1.80	0.00	34.30	5.81	1.80	0.00
31.75	5.81	1.80	0.00	34.35	5.81	1.80	0.00
31.80	5.81	1.80	0.00	34.40	5.81	1.80	0.00
31.85	5.81	1.80	0.00	34.45	5.81	1.80	0.00
31.90	5.81	1.80	0.00	34.50	5.81	1.80	0.00
31.95	5.81	1.80	0.00	34.55	5.81	1.80	0.00
32.00	5.81	1.80	0.00	34.60	5.81	1.80	0.00
32.05	5.81	1.80	0.00	34.65	5.81	1.80	0.00
32.10	5.81	1.80	0.00	34.70	5.81	1.80	0.00
32.15	5.81	1.80	0.00	34.75	5.81	1.80	0.00
32.20	5.81	1.80	0.00	34.80	5.81	1.80	0.00
32.25	5.81	1.80	0.00	34.85	5.81	1.80	0.00
32.30	5.81	1.80	0.00	34.90	5.81	1.80	0.00
32.35	5.81	1.80	0.00	34.95	5.81	1.80	0.00
32.40	5.81	1.80	0.00	35.00	5.81	1.80	0.00
32.45	5.81	1.80	0.00	35.05	5.81	1.80	0.00
32.50	5.81	1.80	0.00	35.10	5.81	1.80	0.00
32.55	5.81	1.80	0.00	35.15	5.81	1.80	0.00
32.60	5.81	1.80	0.00	35.20	5.81	1.80	0.00
32.65	5.81	1.80	0.00	35.25	5.81	1.80	0.00
32.70	5.81	1.80	0.00	35.30	5.81	1.80	0.00
32.75	5.81	1.80	0.00	35.35	5.81	1.80	0.00
32.80	5.81	1.80	0.00	35.40	5.81	1.80	0.00
32.85	5.81	1.80	0.00	35.45	5.81	1.80	0.00
32.90	5.81	1.80	0.00	35.50	5.81	1.80	0.00
32.95	5.81	1.80	0.00	35.55	5.81	1.80	0.00
33.00	5.81	1.80	0.00	35.60	5.81	1.80	0.00
33.05	5.81	1.80	0.00	35.65	5.81	1.80	0.00
33.10	5.81	1.80	0.00	35.70	5.81	1.80	0.00
33.15	5.81	1.80	0.00	35.75	5.81	1.80	0.00
33.20	5.81	1.80	0.00	35.80	5.81	1.80	0.00
33.25	5.81	1.80	0.00	35.85	5.81	1.80	0.00
33.30	5.81	1.80	0.00	35.90	5.81	1.80	0.00
33.35	5.81	1.80	0.00	35.95	5.81	1.80	0.00
33.40	5.81	1.80	0.00	36.00	5.81	1.80	0.00
33.45	5.81	1.80	0.00	36.05	5.81	1.80	0.00
33.50	5.81	1.80	0.00	36.10	5.81	1.80	0.00
33.55	5.81	1.80	0.00	36.15	5.81	1.80	0.00
33.60	5.81	1.80	0.00	36.20	5.81	1.80	0.00
33.65	5.81	1.80	0.00	36.25	5.81	1.80	0.00
33.70	5.81	1.80	0.00	36.30	5.81	1.80	0.00
33.75	5.81	1.80	0.00	36.35	5.81	1.80	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	1.80	0.00	39.00	5.81	1.80	0.00
36.45	5.81	1.80	0.00	39.05	5.81	1.80	0.00
36.50	5.81	1.80	0.00	39.10	5.81	1.80	0.00
36.55	5.81	1.80	0.00	39.15	5.81	1.80	0.00
36.60	5.81	1.80	0.00	39.20	5.81	1.80	0.00
36.65	5.81	1.80	0.00	39.25	5.81	1.80	0.00
36.70	5.81	1.80	0.00	39.30	5.81	1.80	0.00
36.75	5.81	1.80	0.00	39.35	5.81	1.80	0.00
36.80	5.81	1.80	0.00	39.40	5.81	1.80	0.00
36.85	5.81	1.80	0.00	39.45	5.81	1.80	0.00
36.90	5.81	1.80	0.00	39.50	5.81	1.80	0.00
36.95	5.81	1.80	0.00	39.55	5.81	1.80	0.00
37.00	5.81	1.80	0.00	39.60	5.81	1.80	0.00
37.05	5.81	1.80	0.00	39.65	5.81	1.80	0.00
37.10	5.81	1.80	0.00	39.70	5.81	1.80	0.00
37.15	5.81	1.80	0.00	39.75	5.81	1.80	0.00
37.20	5.81	1.80	0.00	39.80	5.81	1.80	0.00
37.25	5.81	1.80	0.00	39.85	5.81	1.80	0.00
37.30	5.81	1.80	0.00	39.90	5.81	1.80	0.00
37.35	5.81	1.80	0.00	39.95	5.81	1.80	0.00
37.40	5.81	1.80	0.00	40.00	5.81	1.80	0.00
37.45	5.81	1.80	0.00				
37.50	5.81	1.80	0.00				
37.55	5.81	1.80	0.00				
37.60	5.81	1.80	0.00				
37.65	5.81	1.80	0.00				
37.70	5.81	1.80	0.00				
37.75	5.81	1.80	0.00				
37.80	5.81	1.80	0.00				
37.85	5.81	1.80	0.00				
37.90	5.81	1.80	0.00				
37.95	5.81	1.80	0.00				
38.00	5.81	1.80	0.00				
38.05	5.81	1.80	0.00				
38.10	5.81	1.80	0.00				
38.15	5.81	1.80	0.00				
38.20	5.81	1.80	0.00				
38.25	5.81	1.80	0.00				
38.30	5.81	1.80	0.00				
38.35	5.81	1.80	0.00				
38.40	5.81	1.80	0.00				
38.45	5.81	1.80	0.00				
38.50	5.81	1.80	0.00				
38.55	5.81	1.80	0.00				
38.60	5.81	1.80	0.00				
38.65	5.81	1.80	0.00				
38.70	5.81	1.80	0.00				
38.75	5.81	1.80	0.00				
38.80	5.81	1.80	0.00				
38.85	5.81	1.80	0.00				
38.90	5.81	1.80	0.00				
38.95	5.81	1.80	0.00				

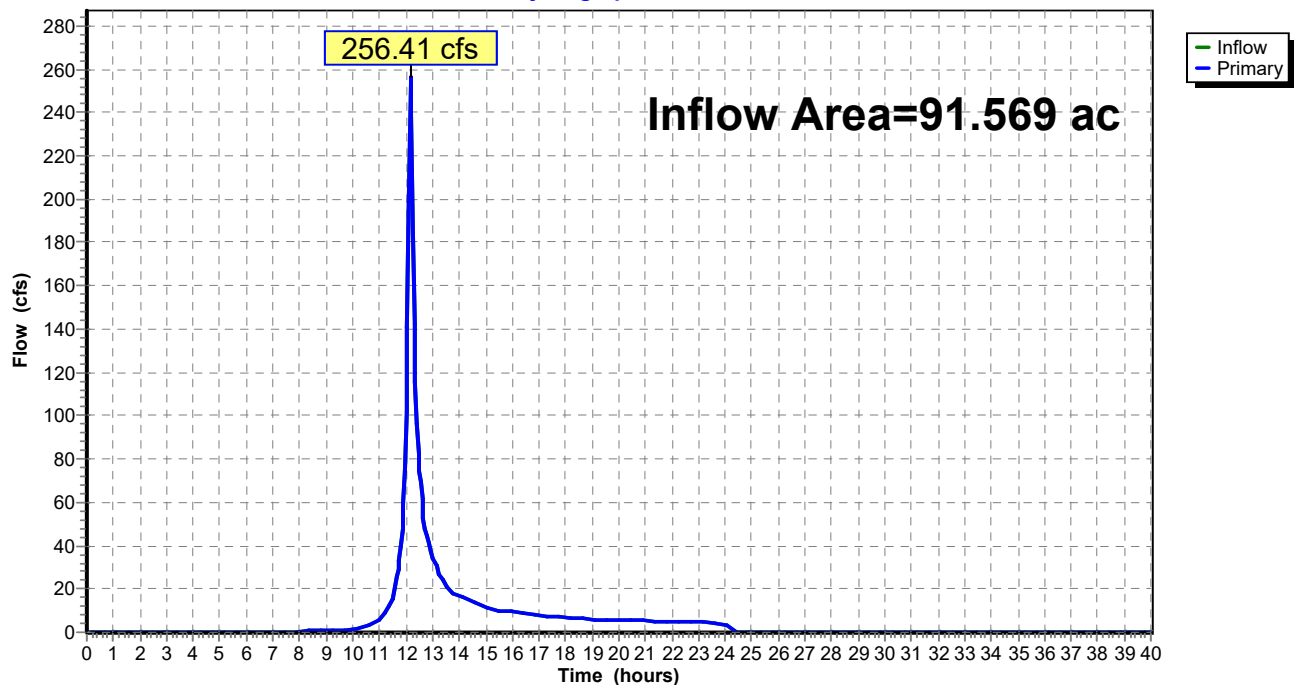
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 2.46" for Future 10 yr event
Inflow = 256.41 cfs @ 12.16 hrs, Volume= 18.790 af
Primary = 256.41 cfs @ 12.16 hrs, Volume= 18.790 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.05	0.00	0.05
0.95	0.00	0.00	0.00	3.55	0.05	0.00	0.05
1.00	0.00	0.00	0.00	3.60	0.05	0.00	0.05
1.05	0.00	0.00	0.00	3.65	0.06	0.00	0.06
1.10	0.00	0.00	0.00	3.70	0.06	0.00	0.06
1.15	0.00	0.00	0.00	3.75	0.06	0.00	0.06
1.20	0.00	0.00	0.00	3.80	0.07	0.00	0.07
1.25	0.00	0.00	0.00	3.85	0.07	0.00	0.07
1.30	0.00	0.00	0.00	3.90	0.07	0.00	0.07
1.35	0.00	0.00	0.00	3.95	0.08	0.00	0.08
1.40	0.00	0.00	0.00	4.00	0.08	0.00	0.08
1.45	0.00	0.00	0.00	4.05	0.08	0.00	0.08
1.50	0.00	0.00	0.00	4.10	0.08	0.00	0.08
1.55	0.00	0.00	0.00	4.15	0.09	0.00	0.09
1.60	0.00	0.00	0.00	4.20	0.09	0.00	0.09
1.65	0.00	0.00	0.00	4.25	0.09	0.00	0.09
1.70	0.00	0.00	0.00	4.30	0.10	0.00	0.10
1.75	0.00	0.00	0.00	4.35	0.10	0.00	0.10
1.80	0.00	0.00	0.00	4.40	0.10	0.00	0.10
1.85	0.00	0.00	0.00	4.45	0.11	0.00	0.11
1.90	0.00	0.00	0.00	4.50	0.11	0.00	0.11
1.95	0.00	0.00	0.00	4.55	0.11	0.00	0.11
2.00	0.00	0.00	0.00	4.60	0.11	0.00	0.11
2.05	0.00	0.00	0.00	4.65	0.12	0.00	0.12
2.10	0.00	0.00	0.00	4.70	0.12	0.00	0.12
2.15	0.00	0.00	0.00	4.75	0.12	0.00	0.12
2.20	0.00	0.00	0.00	4.80	0.13	0.00	0.13
2.25	0.00	0.00	0.00	4.85	0.13	0.00	0.13
2.30	0.00	0.00	0.00	4.90	0.13	0.00	0.13
2.35	0.00	0.00	0.00	4.95	0.13	0.00	0.13
2.40	0.00	0.00	0.00	5.00	0.14	0.00	0.14
2.45	0.00	0.00	0.00	5.05	0.14	0.00	0.14
2.50	0.00	0.00	0.00	5.10	0.14	0.00	0.14
2.55	0.00	0.00	0.00	5.15	0.15	0.00	0.15

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.15	0.00	0.15	7.80	0.38	0.00	0.38
5.25	0.15	0.00	0.15	7.85	0.39	0.00	0.39
5.30	0.15	0.00	0.15	7.90	0.40	0.00	0.40
5.35	0.16	0.00	0.16	7.95	0.40	0.00	0.40
5.40	0.16	0.00	0.16	8.00	0.41	0.00	0.41
5.45	0.16	0.00	0.16	8.05	0.41	0.00	0.41
5.50	0.17	0.00	0.17	8.10	0.42	0.00	0.42
5.55	0.17	0.00	0.17	8.15	0.43	0.00	0.43
5.60	0.17	0.00	0.17	8.20	0.43	0.00	0.43
5.65	0.17	0.00	0.17	8.25	0.44	0.00	0.44
5.70	0.18	0.00	0.18	8.30	0.45	0.00	0.45
5.75	0.18	0.00	0.18	8.35	0.45	0.00	0.45
5.80	0.18	0.00	0.18	8.40	0.46	0.00	0.46
5.85	0.19	0.00	0.19	8.45	0.46	0.00	0.46
5.90	0.19	0.00	0.19	8.50	0.47	0.00	0.47
5.95	0.19	0.00	0.19	8.55	0.48	0.00	0.48
6.00	0.19	0.00	0.19	8.60	0.48	0.00	0.48
6.05	0.20	0.00	0.20	8.65	0.49	0.00	0.49
6.10	0.20	0.00	0.20	8.70	0.50	0.00	0.50
6.15	0.20	0.00	0.20	8.75	0.50	0.00	0.50
6.20	0.21	0.00	0.21	8.80	0.51	0.00	0.51
6.25	0.21	0.00	0.21	8.85	0.52	0.00	0.52
6.30	0.22	0.00	0.22	8.90	0.52	0.00	0.52
6.35	0.22	0.00	0.22	8.95	0.53	0.00	0.53
6.40	0.23	0.00	0.23	9.00	0.54	0.00	0.54
6.45	0.23	0.00	0.23	9.05	0.54	0.00	0.54
6.50	0.24	0.00	0.24	9.10	0.56	0.00	0.56
6.55	0.24	0.00	0.24	9.15	0.57	0.00	0.57
6.60	0.25	0.00	0.25	9.20	0.59	0.00	0.59
6.65	0.25	0.00	0.25	9.25	0.60	0.00	0.60
6.70	0.26	0.00	0.26	9.30	0.62	0.00	0.62
6.75	0.26	0.00	0.26	9.35	0.64	0.00	0.64
6.80	0.27	0.00	0.27	9.40	0.66	0.00	0.66
6.85	0.27	0.00	0.27	9.45	0.68	0.00	0.68
6.90	0.28	0.00	0.28	9.50	0.70	0.00	0.70
6.95	0.29	0.00	0.29	9.55	0.71	0.00	0.71
7.00	0.29	0.00	0.29	9.60	0.73	0.00	0.73
7.05	0.30	0.00	0.30	9.65	0.75	0.00	0.75
7.10	0.30	0.00	0.30	9.70	0.77	0.00	0.77
7.15	0.31	0.00	0.31	9.75	0.79	0.00	0.79
7.20	0.31	0.00	0.31	9.80	0.82	0.00	0.82
7.25	0.32	0.00	0.32	9.85	0.85	0.00	0.85
7.30	0.32	0.00	0.32	9.90	0.90	0.00	0.90
7.35	0.33	0.00	0.33	9.95	0.95	0.00	0.95
7.40	0.34	0.00	0.34	10.00	1.02	0.00	1.02
7.45	0.34	0.00	0.34	10.05	1.11	0.00	1.11
7.50	0.35	0.00	0.35	10.10	1.23	0.00	1.23
7.55	0.35	0.00	0.35	10.15	1.36	0.00	1.36
7.60	0.36	0.00	0.36	10.20	1.49	0.00	1.49
7.65	0.36	0.00	0.36	10.25	1.64	0.00	1.64
7.70	0.37	0.00	0.37	10.30	1.79	0.00	1.79
7.75	0.38	0.00	0.38	10.35	1.94	0.00	1.94

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.10	0.00	2.10	13.00	34.76	0.00	34.76
10.45	2.26	0.00	2.26	13.05	33.02	0.00	33.02
10.50	2.43	0.00	2.43	13.10	31.22	0.00	31.22
10.55	2.62	0.00	2.62	13.15	29.53	0.00	29.53
10.60	2.87	0.00	2.87	13.20	28.15	0.00	28.15
10.65	3.16	0.00	3.16	13.25	27.03	0.00	27.03
10.70	3.48	0.00	3.48	13.30	25.99	0.00	25.99
10.75	3.84	0.00	3.84	13.35	25.00	0.00	25.00
10.80	4.23	0.00	4.23	13.40	24.00	0.00	24.00
10.85	4.64	0.00	4.64	13.45	23.02	0.00	23.02
10.90	5.08	0.00	5.08	13.50	22.03	0.00	22.03
10.95	5.54	0.00	5.54	13.55	21.05	0.00	21.05
11.00	6.04	0.00	6.04	13.60	20.06	0.00	20.06
11.05	6.58	0.00	6.58	13.65	19.15	0.00	19.15
11.10	7.26	0.00	7.26	13.70	18.52	0.00	18.52
11.15	8.04	0.00	8.04	13.75	18.11	0.00	18.11
11.20	8.92	0.00	8.92	13.80	17.79	0.00	17.79
11.25	9.85	0.00	9.85	13.85	17.51	0.00	17.51
11.30	10.87	0.00	10.87	13.90	17.26	0.00	17.26
11.35	11.94	0.00	11.94	13.95	17.02	0.00	17.02
11.40	13.10	0.00	13.10	14.00	16.76	0.00	16.76
11.45	14.30	0.00	14.30	14.05	16.50	0.00	16.50
11.50	15.51	0.00	15.51	14.10	16.24	0.00	16.24
11.55	17.19	0.00	17.19	14.15	15.99	0.00	15.99
11.60	20.91	0.00	20.91	14.20	15.74	0.00	15.74
11.65	25.64	0.00	25.64	14.25	15.50	0.00	15.50
11.70	29.53	0.00	29.53	14.30	15.24	0.00	15.24
11.75	33.22	0.00	33.22	14.35	14.97	0.00	14.97
11.80	39.30	0.00	39.30	14.40	14.70	0.00	14.70
11.85	47.57	0.00	47.57	14.45	14.45	0.00	14.45
11.90	59.06	0.00	59.06	14.50	14.19	0.00	14.19
11.95	74.81	0.00	74.81	14.55	13.94	0.00	13.94
12.00	102.17	0.00	102.17	14.60	13.67	0.00	13.67
12.05	140.80	0.00	140.80	14.65	13.40	0.00	13.40
12.10	198.98	0.00	198.98	14.70	13.13	0.00	13.13
12.15	253.43	0.00	253.43	14.75	12.87	0.00	12.87
12.20	239.39	0.00	239.39	14.80	12.60	0.00	12.60
12.25	184.50	0.00	184.50	14.85	12.35	0.00	12.35
12.30	142.19	0.00	142.19	14.90	12.08	0.00	12.08
12.35	115.53	0.00	115.53	14.95	11.80	0.00	11.80
12.40	96.47	0.00	96.47	15.00	11.52	0.00	11.52
12.45	82.66	0.00	82.66	15.05	11.25	0.00	11.25
12.50	74.81	0.00	74.81	15.10	10.99	0.00	10.99
12.55	69.75	0.00	69.75	15.15	10.75	0.00	10.75
12.60	61.76	0.00	61.76	15.20	10.58	0.00	10.58
12.65	52.93	0.00	52.93	15.25	10.46	0.00	10.46
12.70	47.37	0.00	47.37	15.30	10.37	0.00	10.37
12.75	44.29	0.00	44.29	15.35	10.29	0.00	10.29
12.80	42.01	0.00	42.01	15.40	10.23	0.00	10.23
12.85	40.11	0.00	40.11	15.45	10.17	0.00	10.17
12.90	38.28	0.00	38.28	15.50	10.10	0.00	10.10
12.95	36.54	0.00	36.54	15.55	10.02	0.00	10.02

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	9.96	0.00	9.96	18.20	6.26	0.00	6.26
15.65	9.90	0.00	9.90	18.25	6.23	0.00	6.23
15.70	9.83	0.00	9.83	18.30	6.21	0.00	6.21
15.75	9.75	0.00	9.75	18.35	6.19	0.00	6.19
15.80	9.67	0.00	9.67	18.40	6.17	0.00	6.17
15.85	9.60	0.00	9.60	18.45	6.16	0.00	6.16
15.90	9.54	0.00	9.54	18.50	6.14	0.00	6.14
15.95	9.48	0.00	9.48	18.55	6.12	0.00	6.12
16.00	9.41	0.00	9.41	18.60	6.10	0.00	6.10
16.05	9.33	0.00	9.33	18.65	6.09	0.00	6.09
16.10	9.26	0.00	9.26	18.70	6.07	0.00	6.07
16.15	9.21	0.00	9.21	18.75	6.05	0.00	6.05
16.20	9.14	0.00	9.14	18.80	6.04	0.00	6.04
16.25	9.07	0.00	9.07	18.85	6.02	0.00	6.02
16.30	8.99	0.00	8.99	18.90	6.00	0.00	6.00
16.35	8.91	0.00	8.91	18.95	5.98	0.00	5.98
16.40	8.84	0.00	8.84	19.00	5.97	0.00	5.97
16.45	8.78	0.00	8.78	19.05	5.95	0.00	5.95
16.50	8.71	0.00	8.71	19.10	5.93	0.00	5.93
16.55	8.63	0.00	8.63	19.15	5.91	0.00	5.91
16.60	8.56	0.00	8.56	19.20	5.90	0.00	5.90
16.65	8.50	0.00	8.50	19.25	5.88	0.00	5.88
16.70	8.43	0.00	8.43	19.30	5.86	0.00	5.86
16.75	8.36	0.00	8.36	19.35	5.84	0.00	5.84
16.80	8.28	0.00	8.28	19.40	5.83	0.00	5.83
16.85	8.20	0.00	8.20	19.45	5.81	0.00	5.81
16.90	8.13	0.00	8.13	19.50	5.79	0.00	5.79
16.95	8.06	0.00	8.06	19.55	5.77	0.00	5.77
17.00	8.00	0.00	8.00	19.60	5.75	0.00	5.75
17.05	7.93	0.00	7.93	19.65	5.74	0.00	5.74
17.10	7.86	0.00	7.86	19.70	5.72	0.00	5.72
17.15	7.78	0.00	7.78	19.75	5.70	0.00	5.70
17.20	7.71	0.00	7.71	19.80	5.70	0.00	5.70
17.25	7.64	0.00	7.64	19.85	5.69	0.00	5.69
17.30	7.55	0.00	7.55	19.90	5.67	0.00	5.67
17.35	7.47	0.00	7.47	19.95	5.64	0.00	5.64
17.40	7.40	0.00	7.40	20.00	5.62	0.00	5.62
17.45	7.33	0.00	7.33	20.05	5.60	0.00	5.60
17.50	7.27	0.00	7.27	20.10	5.58	0.00	5.58
17.55	7.20	0.00	7.20	20.15	5.56	0.00	5.56
17.60	7.12	0.00	7.12	20.20	5.54	0.00	5.54
17.65	7.05	0.00	7.05	20.25	5.52	0.00	5.52
17.70	6.97	0.00	6.97	20.30	5.51	0.00	5.51
17.75	6.90	0.00	6.90	20.35	5.49	0.00	5.49
17.80	6.82	0.00	6.82	20.40	5.47	0.00	5.47
17.85	6.75	0.00	6.75	20.45	5.45	0.00	5.45
17.90	6.68	0.00	6.68	20.50	5.43	0.00	5.43
17.95	6.60	0.00	6.60	20.55	5.42	0.00	5.42
18.00	6.53	0.00	6.53	20.60	5.41	0.00	5.41
18.05	6.45	0.00	6.45	20.65	5.40	0.00	5.40
18.10	6.38	0.00	6.38	20.70	5.38	0.00	5.38
18.15	6.31	0.00	6.31	20.75	5.35	0.00	5.35

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.33	0.00	5.33	23.40	4.37	0.00	4.37
20.85	5.31	0.00	5.31	23.45	4.36	0.00	4.36
20.90	5.29	0.00	5.29	23.50	4.34	0.00	4.34
20.95	5.27	0.00	5.27	23.55	4.31	0.00	4.31
21.00	5.25	0.00	5.25	23.60	4.28	0.00	4.28
21.05	5.23	0.00	5.23	23.65	4.26	0.00	4.26
21.10	5.21	0.00	5.21	23.70	4.25	0.00	4.25
21.15	5.20	0.00	5.20	23.75	4.25	0.00	4.25
21.20	5.18	0.00	5.18	23.80	4.22	0.00	4.22
21.25	5.16	0.00	5.16	23.85	4.19	0.00	4.19
21.30	5.15	0.00	5.15	23.90	4.17	0.00	4.17
21.35	5.15	0.00	5.15	23.95	4.20	0.00	4.20
21.40	5.13	0.00	5.13	24.00	4.45	0.00	4.45
21.45	5.10	0.00	5.10	24.05	4.52	0.00	4.52
21.50	5.07	0.00	5.07	24.10	3.38	0.00	3.38
21.55	5.05	0.00	5.05	24.15	1.73	0.00	1.73
21.60	5.03	0.00	5.03	24.20	0.75	0.00	0.75
21.65	5.01	0.00	5.01	24.25	0.33	0.00	0.33
21.70	4.99	0.00	4.99	24.30	0.14	0.00	0.14
21.75	4.98	0.00	4.98	24.35	0.06	0.00	0.06
21.80	4.97	0.00	4.97	24.40	0.02	0.00	0.02
21.85	4.96	0.00	4.96	24.45	0.01	0.00	0.01
21.90	4.94	0.00	4.94	24.50	0.00	0.00	0.00
21.95	4.91	0.00	4.91	24.55	0.00	0.00	0.00
22.00	4.89	0.00	4.89	24.60	0.00	0.00	0.00
22.05	4.87	0.00	4.87	24.65	0.00	0.00	0.00
22.10	4.85	0.00	4.85	24.70	0.00	0.00	0.00
22.15	4.83	0.00	4.83	24.75	0.00	0.00	0.00
22.20	4.82	0.00	4.82	24.80	0.00	0.00	0.00
22.25	4.81	0.00	4.81	24.85	0.00	0.00	0.00
22.30	4.79	0.00	4.79	24.90	0.00	0.00	0.00
22.35	4.76	0.00	4.76	24.95	0.00	0.00	0.00
22.40	4.74	0.00	4.74	25.00	0.00	0.00	0.00
22.45	4.72	0.00	4.72	25.05	0.00	0.00	0.00
22.50	4.70	0.00	4.70	25.10	0.00	0.00	0.00
22.55	4.68	0.00	4.68	25.15	0.00	0.00	0.00
22.60	4.67	0.00	4.67	25.20	0.00	0.00	0.00
22.65	4.66	0.00	4.66	25.25	0.00	0.00	0.00
22.70	4.64	0.00	4.64	25.30	0.00	0.00	0.00
22.75	4.61	0.00	4.61	25.35	0.00	0.00	0.00
22.80	4.59	0.00	4.59	25.40	0.00	0.00	0.00
22.85	4.57	0.00	4.57	25.45	0.00	0.00	0.00
22.90	4.55	0.00	4.55	25.50	0.00	0.00	0.00
22.95	4.53	0.00	4.53	25.55	0.00	0.00	0.00
23.00	4.52	0.00	4.52	25.60	0.00	0.00	0.00
23.05	4.51	0.00	4.51	25.65	0.00	0.00	0.00
23.10	4.49	0.00	4.49	25.70	0.00	0.00	0.00
23.15	4.46	0.00	4.46	25.75	0.00	0.00	0.00
23.20	4.44	0.00	4.44	25.80	0.00	0.00	0.00
23.25	4.42	0.00	4.42	25.85	0.00	0.00	0.00
23.30	4.39	0.00	4.39	25.90	0.00	0.00	0.00
23.35	4.38	0.00	4.38	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

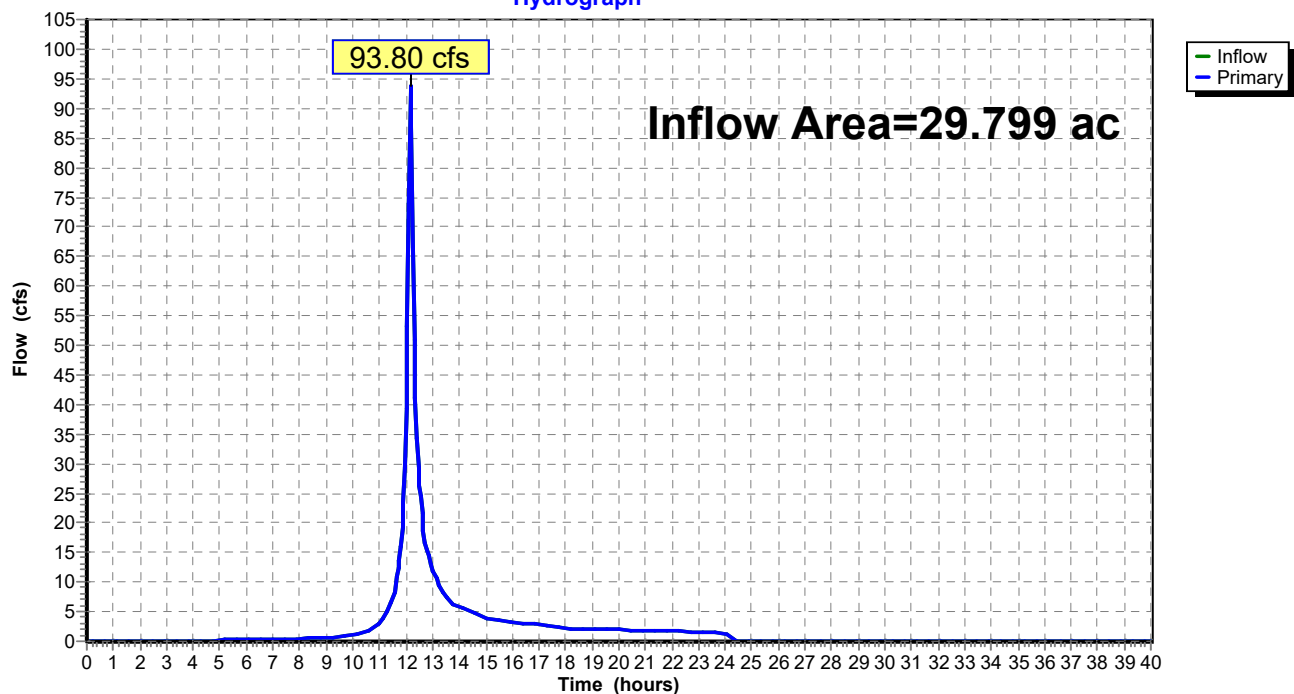
Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.80" for Future 10 yr event
Inflow = 93.80 cfs @ 12.16 hrs, Volume= 6.949 af
Primary = 93.80 cfs @ 12.16 hrs, Volume= 6.949 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10

Hydrograph



Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.05	0.00	0.05
0.95	0.00	0.00	0.00	3.55	0.05	0.00	0.05
1.00	0.00	0.00	0.00	3.60	0.05	0.00	0.05
1.05	0.00	0.00	0.00	3.65	0.06	0.00	0.06
1.10	0.00	0.00	0.00	3.70	0.06	0.00	0.06
1.15	0.00	0.00	0.00	3.75	0.06	0.00	0.06
1.20	0.00	0.00	0.00	3.80	0.07	0.00	0.07
1.25	0.00	0.00	0.00	3.85	0.07	0.00	0.07
1.30	0.00	0.00	0.00	3.90	0.07	0.00	0.07
1.35	0.00	0.00	0.00	3.95	0.08	0.00	0.08
1.40	0.00	0.00	0.00	4.00	0.08	0.00	0.08
1.45	0.00	0.00	0.00	4.05	0.08	0.00	0.08
1.50	0.00	0.00	0.00	4.10	0.08	0.00	0.08
1.55	0.00	0.00	0.00	4.15	0.09	0.00	0.09
1.60	0.00	0.00	0.00	4.20	0.09	0.00	0.09
1.65	0.00	0.00	0.00	4.25	0.09	0.00	0.09
1.70	0.00	0.00	0.00	4.30	0.10	0.00	0.10
1.75	0.00	0.00	0.00	4.35	0.10	0.00	0.10
1.80	0.00	0.00	0.00	4.40	0.10	0.00	0.10
1.85	0.00	0.00	0.00	4.45	0.11	0.00	0.11
1.90	0.00	0.00	0.00	4.50	0.11	0.00	0.11
1.95	0.00	0.00	0.00	4.55	0.11	0.00	0.11
2.00	0.00	0.00	0.00	4.60	0.11	0.00	0.11
2.05	0.00	0.00	0.00	4.65	0.12	0.00	0.12
2.10	0.00	0.00	0.00	4.70	0.12	0.00	0.12
2.15	0.00	0.00	0.00	4.75	0.12	0.00	0.12
2.20	0.00	0.00	0.00	4.80	0.13	0.00	0.13
2.25	0.00	0.00	0.00	4.85	0.13	0.00	0.13
2.30	0.00	0.00	0.00	4.90	0.13	0.00	0.13
2.35	0.00	0.00	0.00	4.95	0.13	0.00	0.13
2.40	0.00	0.00	0.00	5.00	0.14	0.00	0.14
2.45	0.00	0.00	0.00	5.05	0.14	0.00	0.14
2.50	0.00	0.00	0.00	5.10	0.14	0.00	0.14
2.55	0.00	0.00	0.00	5.15	0.15	0.00	0.15

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.15	0.00	0.15	7.80	0.38	0.00	0.38
5.25	0.15	0.00	0.15	7.85	0.39	0.00	0.39
5.30	0.15	0.00	0.15	7.90	0.40	0.00	0.40
5.35	0.16	0.00	0.16	7.95	0.40	0.00	0.40
5.40	0.16	0.00	0.16	8.00	0.41	0.00	0.41
5.45	0.16	0.00	0.16	8.05	0.41	0.00	0.41
5.50	0.17	0.00	0.17	8.10	0.42	0.00	0.42
5.55	0.17	0.00	0.17	8.15	0.43	0.00	0.43
5.60	0.17	0.00	0.17	8.20	0.43	0.00	0.43
5.65	0.17	0.00	0.17	8.25	0.44	0.00	0.44
5.70	0.18	0.00	0.18	8.30	0.45	0.00	0.45
5.75	0.18	0.00	0.18	8.35	0.45	0.00	0.45
5.80	0.18	0.00	0.18	8.40	0.46	0.00	0.46
5.85	0.19	0.00	0.19	8.45	0.46	0.00	0.46
5.90	0.19	0.00	0.19	8.50	0.47	0.00	0.47
5.95	0.19	0.00	0.19	8.55	0.48	0.00	0.48
6.00	0.19	0.00	0.19	8.60	0.48	0.00	0.48
6.05	0.20	0.00	0.20	8.65	0.49	0.00	0.49
6.10	0.20	0.00	0.20	8.70	0.50	0.00	0.50
6.15	0.20	0.00	0.20	8.75	0.50	0.00	0.50
6.20	0.21	0.00	0.21	8.80	0.51	0.00	0.51
6.25	0.21	0.00	0.21	8.85	0.52	0.00	0.52
6.30	0.22	0.00	0.22	8.90	0.52	0.00	0.52
6.35	0.22	0.00	0.22	8.95	0.53	0.00	0.53
6.40	0.23	0.00	0.23	9.00	0.54	0.00	0.54
6.45	0.23	0.00	0.23	9.05	0.54	0.00	0.54
6.50	0.24	0.00	0.24	9.10	0.56	0.00	0.56
6.55	0.24	0.00	0.24	9.15	0.57	0.00	0.57
6.60	0.25	0.00	0.25	9.20	0.59	0.00	0.59
6.65	0.25	0.00	0.25	9.25	0.60	0.00	0.60
6.70	0.26	0.00	0.26	9.30	0.62	0.00	0.62
6.75	0.26	0.00	0.26	9.35	0.64	0.00	0.64
6.80	0.27	0.00	0.27	9.40	0.66	0.00	0.66
6.85	0.27	0.00	0.27	9.45	0.68	0.00	0.68
6.90	0.28	0.00	0.28	9.50	0.70	0.00	0.70
6.95	0.29	0.00	0.29	9.55	0.71	0.00	0.71
7.00	0.29	0.00	0.29	9.60	0.73	0.00	0.73
7.05	0.30	0.00	0.30	9.65	0.75	0.00	0.75
7.10	0.30	0.00	0.30	9.70	0.77	0.00	0.77
7.15	0.31	0.00	0.31	9.75	0.79	0.00	0.79
7.20	0.31	0.00	0.31	9.80	0.82	0.00	0.82
7.25	0.32	0.00	0.32	9.85	0.85	0.00	0.85
7.30	0.32	0.00	0.32	9.90	0.90	0.00	0.90
7.35	0.33	0.00	0.33	9.95	0.94	0.00	0.94
7.40	0.34	0.00	0.34	10.00	0.99	0.00	0.99
7.45	0.34	0.00	0.34	10.05	1.04	0.00	1.04
7.50	0.35	0.00	0.35	10.10	1.10	0.00	1.10
7.55	0.35	0.00	0.35	10.15	1.15	0.00	1.15
7.60	0.36	0.00	0.36	10.20	1.21	0.00	1.21
7.65	0.36	0.00	0.36	10.25	1.27	0.00	1.27
7.70	0.37	0.00	0.37	10.30	1.33	0.00	1.33
7.75	0.38	0.00	0.38	10.35	1.39	0.00	1.39

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.45	0.00	1.45	13.00	12.13	0.00	12.13
10.45	1.51	0.00	1.51	13.05	11.52	0.00	11.52
10.50	1.58	0.00	1.58	13.10	10.88	0.00	10.88
10.55	1.66	0.00	1.66	13.15	10.29	0.00	10.29
10.60	1.76	0.00	1.76	13.20	9.81	0.00	9.81
10.65	1.90	0.00	1.90	13.25	9.41	0.00	9.41
10.70	2.04	0.00	2.04	13.30	9.04	0.00	9.04
10.75	2.20	0.00	2.20	13.35	8.69	0.00	8.69
10.80	2.37	0.00	2.37	13.40	8.35	0.00	8.35
10.85	2.55	0.00	2.55	13.45	8.00	0.00	8.00
10.90	2.73	0.00	2.73	13.50	7.65	0.00	7.65
10.95	2.92	0.00	2.92	13.55	7.31	0.00	7.31
11.00	3.13	0.00	3.13	13.60	6.96	0.00	6.96
11.05	3.35	0.00	3.35	13.65	6.64	0.00	6.64
11.10	3.63	0.00	3.63	13.70	6.43	0.00	6.43
11.15	3.95	0.00	3.95	13.75	6.28	0.00	6.28
11.20	4.31	0.00	4.31	13.80	6.17	0.00	6.17
11.25	4.69	0.00	4.69	13.85	6.07	0.00	6.07
11.30	5.10	0.00	5.10	13.90	5.98	0.00	5.98
11.35	5.52	0.00	5.52	13.95	5.90	0.00	5.90
11.40	5.97	0.00	5.97	14.00	5.81	0.00	5.81
11.45	6.42	0.00	6.42	14.05	5.72	0.00	5.72
11.50	6.88	0.00	6.88	14.10	5.62	0.00	5.62
11.55	7.52	0.00	7.52	14.15	5.54	0.00	5.54
11.60	9.02	0.00	9.02	14.20	5.45	0.00	5.45
11.65	10.91	0.00	10.91	14.25	5.36	0.00	5.36
11.70	12.40	0.00	12.40	14.30	5.27	0.00	5.27
11.75	13.76	0.00	13.76	14.35	5.18	0.00	5.18
11.80	16.05	0.00	16.05	14.40	5.08	0.00	5.08
11.85	19.17	0.00	19.17	14.45	4.99	0.00	4.99
11.90	23.46	0.00	23.46	14.50	4.90	0.00	4.90
11.95	29.28	0.00	29.28	14.55	4.82	0.00	4.82
12.00	39.34	0.00	39.34	14.60	4.72	0.00	4.72
12.05	53.33	0.00	53.33	14.65	4.63	0.00	4.63
12.10	74.06	0.00	74.06	14.70	4.53	0.00	4.53
12.15	92.96	0.00	92.96	14.75	4.44	0.00	4.44
12.20	86.97	0.00	86.97	14.80	4.35	0.00	4.35
12.25	66.55	0.00	66.55	14.85	4.26	0.00	4.26
12.30	50.97	0.00	50.97	14.90	4.17	0.00	4.17
12.35	41.20	0.00	41.20	14.95	4.07	0.00	4.07
12.40	34.26	0.00	34.26	15.00	3.98	0.00	3.98
12.45	29.26	0.00	29.26	15.05	3.88	0.00	3.88
12.50	26.41	0.00	26.41	15.10	3.79	0.00	3.79
12.55	24.57	0.00	24.57	15.15	3.71	0.00	3.71
12.60	21.72	0.00	21.72	15.20	3.65	0.00	3.65
12.65	18.59	0.00	18.59	15.25	3.61	0.00	3.61
12.70	16.62	0.00	16.62	15.30	3.57	0.00	3.57
12.75	15.52	0.00	15.52	15.35	3.55	0.00	3.55
12.80	14.71	0.00	14.71	15.40	3.53	0.00	3.53
12.85	14.03	0.00	14.03	15.45	3.50	0.00	3.50
12.90	13.38	0.00	13.38	15.50	3.48	0.00	3.48
12.95	12.76	0.00	12.76	15.55	3.45	0.00	3.45

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.43	0.00	3.43	18.20	2.15	0.00	2.15
15.65	3.41	0.00	3.41	18.25	2.14	0.00	2.14
15.70	3.38	0.00	3.38	18.30	2.13	0.00	2.13
15.75	3.36	0.00	3.36	18.35	2.12	0.00	2.12
15.80	3.33	0.00	3.33	18.40	2.12	0.00	2.12
15.85	3.31	0.00	3.31	18.45	2.11	0.00	2.11
15.90	3.28	0.00	3.28	18.50	2.10	0.00	2.10
15.95	3.26	0.00	3.26	18.55	2.10	0.00	2.10
16.00	3.24	0.00	3.24	18.60	2.09	0.00	2.09
16.05	3.21	0.00	3.21	18.65	2.09	0.00	2.09
16.10	3.19	0.00	3.19	18.70	2.08	0.00	2.08
16.15	3.17	0.00	3.17	18.75	2.07	0.00	2.07
16.20	3.15	0.00	3.15	18.80	2.07	0.00	2.07
16.25	3.12	0.00	3.12	18.85	2.06	0.00	2.06
16.30	3.09	0.00	3.09	18.90	2.06	0.00	2.06
16.35	3.07	0.00	3.07	18.95	2.05	0.00	2.05
16.40	3.04	0.00	3.04	19.00	2.04	0.00	2.04
16.45	3.02	0.00	3.02	19.05	2.04	0.00	2.04
16.50	2.99	0.00	2.99	19.10	2.03	0.00	2.03
16.55	2.97	0.00	2.97	19.15	2.03	0.00	2.03
16.60	2.94	0.00	2.94	19.20	2.02	0.00	2.02
16.65	2.92	0.00	2.92	19.25	2.01	0.00	2.01
16.70	2.90	0.00	2.90	19.30	2.01	0.00	2.01
16.75	2.87	0.00	2.87	19.35	2.00	0.00	2.00
16.80	2.85	0.00	2.85	19.40	1.99	0.00	1.99
16.85	2.82	0.00	2.82	19.45	1.99	0.00	1.99
16.90	2.79	0.00	2.79	19.50	1.98	0.00	1.98
16.95	2.77	0.00	2.77	19.55	1.98	0.00	1.98
17.00	2.75	0.00	2.75	19.60	1.97	0.00	1.97
17.05	2.72	0.00	2.72	19.65	1.96	0.00	1.96
17.10	2.70	0.00	2.70	19.70	1.96	0.00	1.96
17.15	2.67	0.00	2.67	19.75	1.95	0.00	1.95
17.20	2.65	0.00	2.65	19.80	1.95	0.00	1.95
17.25	2.62	0.00	2.62	19.85	1.95	0.00	1.95
17.30	2.59	0.00	2.59	19.90	1.94	0.00	1.94
17.35	2.56	0.00	2.56	19.95	1.93	0.00	1.93
17.40	2.54	0.00	2.54	20.00	1.92	0.00	1.92
17.45	2.52	0.00	2.52	20.05	1.92	0.00	1.92
17.50	2.49	0.00	2.49	20.10	1.91	0.00	1.91
17.55	2.47	0.00	2.47	20.15	1.90	0.00	1.90
17.60	2.44	0.00	2.44	20.20	1.90	0.00	1.90
17.65	2.42	0.00	2.42	20.25	1.89	0.00	1.89
17.70	2.39	0.00	2.39	20.30	1.88	0.00	1.88
17.75	2.37	0.00	2.37	20.35	1.88	0.00	1.88
17.80	2.34	0.00	2.34	20.40	1.87	0.00	1.87
17.85	2.32	0.00	2.32	20.45	1.86	0.00	1.86
17.90	2.29	0.00	2.29	20.50	1.86	0.00	1.86
17.95	2.26	0.00	2.26	20.55	1.85	0.00	1.85
18.00	2.24	0.00	2.24	20.60	1.85	0.00	1.85
18.05	2.21	0.00	2.21	20.65	1.85	0.00	1.85
18.10	2.19	0.00	2.19	20.70	1.84	0.00	1.84
18.15	2.16	0.00	2.16	20.75	1.83	0.00	1.83

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.82	0.00	1.82	23.40	1.49	0.00	1.49
20.85	1.81	0.00	1.81	23.45	1.49	0.00	1.49
20.90	1.81	0.00	1.81	23.50	1.48	0.00	1.48
20.95	1.80	0.00	1.80	23.55	1.47	0.00	1.47
21.00	1.80	0.00	1.80	23.60	1.46	0.00	1.46
21.05	1.79	0.00	1.79	23.65	1.45	0.00	1.45
21.10	1.78	0.00	1.78	23.70	1.45	0.00	1.45
21.15	1.78	0.00	1.78	23.75	1.45	0.00	1.45
21.20	1.77	0.00	1.77	23.80	1.44	0.00	1.44
21.25	1.76	0.00	1.76	23.85	1.43	0.00	1.43
21.30	1.76	0.00	1.76	23.90	1.42	0.00	1.42
21.35	1.76	0.00	1.76	23.95	1.43	0.00	1.43
21.40	1.75	0.00	1.75	24.00	1.52	0.00	1.52
21.45	1.74	0.00	1.74	24.05	1.54	0.00	1.54
21.50	1.73	0.00	1.73	24.10	1.15	0.00	1.15
21.55	1.73	0.00	1.73	24.15	0.59	0.00	0.59
21.60	1.72	0.00	1.72	24.20	0.26	0.00	0.26
21.65	1.71	0.00	1.71	24.25	0.11	0.00	0.11
21.70	1.71	0.00	1.71	24.30	0.05	0.00	0.05
21.75	1.70	0.00	1.70	24.35	0.02	0.00	0.02
21.80	1.70	0.00	1.70	24.40	0.01	0.00	0.01
21.85	1.70	0.00	1.70	24.45	0.00	0.00	0.00
21.90	1.69	0.00	1.69	24.50	0.00	0.00	0.00
21.95	1.68	0.00	1.68	24.55	0.00	0.00	0.00
22.00	1.67	0.00	1.67	24.60	0.00	0.00	0.00
22.05	1.66	0.00	1.66	24.65	0.00	0.00	0.00
22.10	1.66	0.00	1.66	24.70	0.00	0.00	0.00
22.15	1.65	0.00	1.65	24.75	0.00	0.00	0.00
22.20	1.65	0.00	1.65	24.80	0.00	0.00	0.00
22.25	1.64	0.00	1.64	24.85	0.00	0.00	0.00
22.30	1.64	0.00	1.64	24.90	0.00	0.00	0.00
22.35	1.63	0.00	1.63	24.95	0.00	0.00	0.00
22.40	1.62	0.00	1.62	25.00	0.00	0.00	0.00
22.45	1.61	0.00	1.61	25.05	0.00	0.00	0.00
22.50	1.60	0.00	1.60	25.10	0.00	0.00	0.00
22.55	1.60	0.00	1.60	25.15	0.00	0.00	0.00
22.60	1.59	0.00	1.59	25.20	0.00	0.00	0.00
22.65	1.59	0.00	1.59	25.25	0.00	0.00	0.00
22.70	1.58	0.00	1.58	25.30	0.00	0.00	0.00
22.75	1.57	0.00	1.57	25.35	0.00	0.00	0.00
22.80	1.57	0.00	1.57	25.40	0.00	0.00	0.00
22.85	1.56	0.00	1.56	25.45	0.00	0.00	0.00
22.90	1.55	0.00	1.55	25.50	0.00	0.00	0.00
22.95	1.55	0.00	1.55	25.55	0.00	0.00	0.00
23.00	1.54	0.00	1.54	25.60	0.00	0.00	0.00
23.05	1.54	0.00	1.54	25.65	0.00	0.00	0.00
23.10	1.53	0.00	1.53	25.70	0.00	0.00	0.00
23.15	1.52	0.00	1.52	25.75	0.00	0.00	0.00
23.20	1.51	0.00	1.51	25.80	0.00	0.00	0.00
23.25	1.51	0.00	1.51	25.85	0.00	0.00	0.00
23.30	1.50	0.00	1.50	25.90	0.00	0.00	0.00
23.35	1.49	0.00	1.49	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

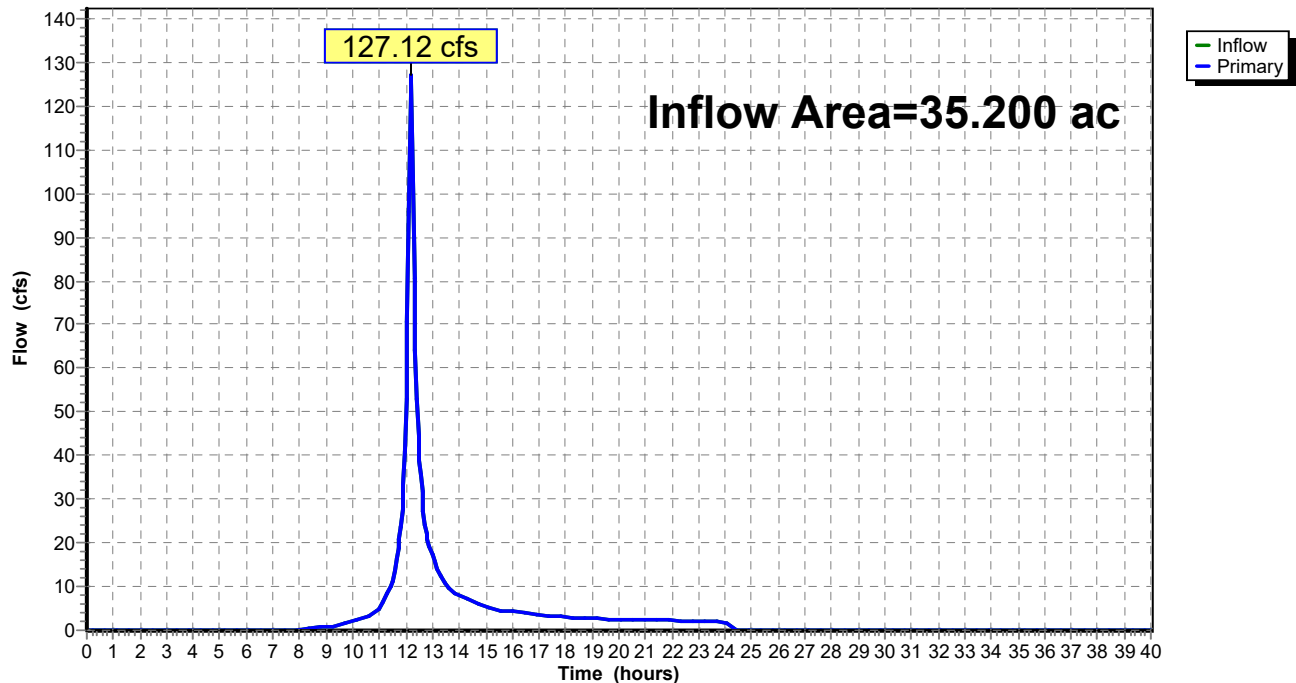
Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 3.31" for Future 10 yr event
 Inflow = 127.12 cfs @ 12.18 hrs, Volume= 9.720 af
 Primary = 127.12 cfs @ 12.18 hrs, Volume= 9.720 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.15	0.00	0.15
5.25	0.00	0.00	0.00	7.85	0.17	0.00	0.17
5.30	0.00	0.00	0.00	7.90	0.20	0.00	0.20
5.35	0.00	0.00	0.00	7.95	0.22	0.00	0.22
5.40	0.00	0.00	0.00	8.00	0.24	0.00	0.24
5.45	0.00	0.00	0.00	8.05	0.26	0.00	0.26
5.50	0.00	0.00	0.00	8.10	0.29	0.00	0.29
5.55	0.00	0.00	0.00	8.15	0.31	0.00	0.31
5.60	0.00	0.00	0.00	8.20	0.33	0.00	0.33
5.65	0.00	0.00	0.00	8.25	0.36	0.00	0.36
5.70	0.00	0.00	0.00	8.30	0.38	0.00	0.38
5.75	0.00	0.00	0.00	8.35	0.41	0.00	0.41
5.80	0.00	0.00	0.00	8.40	0.43	0.00	0.43
5.85	0.00	0.00	0.00	8.45	0.46	0.00	0.46
5.90	0.00	0.00	0.00	8.50	0.49	0.00	0.49
5.95	0.00	0.00	0.00	8.55	0.51	0.00	0.51
6.00	0.00	0.00	0.00	8.60	0.54	0.00	0.54
6.05	0.00	0.00	0.00	8.65	0.57	0.00	0.57
6.10	0.00	0.00	0.00	8.70	0.60	0.00	0.60
6.15	0.00	0.00	0.00	8.75	0.62	0.00	0.62
6.20	0.00	0.00	0.00	8.80	0.65	0.00	0.65
6.25	0.00	0.00	0.00	8.85	0.68	0.00	0.68
6.30	0.00	0.00	0.00	8.90	0.71	0.00	0.71
6.35	0.00	0.00	0.00	8.95	0.74	0.00	0.74
6.40	0.00	0.00	0.00	9.00	0.77	0.00	0.77
6.45	0.00	0.00	0.00	9.05	0.80	0.00	0.80
6.50	0.00	0.00	0.00	9.10	0.84	0.00	0.84
6.55	0.00	0.00	0.00	9.15	0.88	0.00	0.88
6.60	0.00	0.00	0.00	9.20	0.93	0.00	0.93
6.65	0.00	0.00	0.00	9.25	0.98	0.00	0.98
6.70	0.00	0.00	0.00	9.30	1.03	0.00	1.03
6.75	0.00	0.00	0.00	9.35	1.09	0.00	1.09
6.80	0.00	0.00	0.00	9.40	1.15	0.00	1.15
6.85	0.00	0.00	0.00	9.45	1.20	0.00	1.20
6.90	0.00	0.00	0.00	9.50	1.26	0.00	1.26
6.95	0.00	0.00	0.00	9.55	1.33	0.00	1.33
7.00	0.00	0.00	0.00	9.60	1.39	0.00	1.39
7.05	0.00	0.00	0.00	9.65	1.46	0.00	1.46
7.10	0.00	0.00	0.00	9.70	1.53	0.00	1.53
7.15	0.00	0.00	0.00	9.75	1.60	0.00	1.60
7.20	0.00	0.00	0.00	9.80	1.67	0.00	1.67
7.25	0.00	0.00	0.00	9.85	1.75	0.00	1.75
7.30	0.00	0.00	0.00	9.90	1.82	0.00	1.82
7.35	0.00	0.00	0.00	9.95	1.90	0.00	1.90
7.40	0.01	0.00	0.01	10.00	1.99	0.00	1.99
7.45	0.02	0.00	0.02	10.05	2.07	0.00	2.07
7.50	0.04	0.00	0.04	10.10	2.15	0.00	2.15
7.55	0.05	0.00	0.05	10.15	2.24	0.00	2.24
7.60	0.07	0.00	0.07	10.20	2.33	0.00	2.33
7.65	0.09	0.00	0.09	10.25	2.42	0.00	2.42
7.70	0.11	0.00	0.11	10.30	2.52	0.00	2.52
7.75	0.13	0.00	0.13	10.35	2.61	0.00	2.61

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.71	0.00	2.71	13.00	16.87	0.00	16.87
10.45	2.80	0.00	2.80	13.05	16.00	0.00	16.00
10.50	2.91	0.00	2.91	13.10	15.13	0.00	15.13
10.55	3.02	0.00	3.02	13.15	14.30	0.00	14.30
10.60	3.18	0.00	3.18	13.20	13.58	0.00	13.58
10.65	3.38	0.00	3.38	13.25	12.99	0.00	12.99
10.70	3.61	0.00	3.61	13.30	12.45	0.00	12.45
10.75	3.85	0.00	3.85	13.35	11.96	0.00	11.96
10.80	4.12	0.00	4.12	13.40	11.48	0.00	11.48
10.85	4.40	0.00	4.40	13.45	11.00	0.00	11.00
10.90	4.70	0.00	4.70	13.50	10.53	0.00	10.53
10.95	5.00	0.00	5.00	13.55	10.06	0.00	10.06
11.00	5.31	0.00	5.31	13.60	9.59	0.00	9.59
11.05	5.65	0.00	5.65	13.65	9.14	0.00	9.14
11.10	6.06	0.00	6.06	13.70	8.79	0.00	8.79
11.15	6.54	0.00	6.54	13.75	8.55	0.00	8.55
11.20	7.09	0.00	7.09	13.80	8.37	0.00	8.37
11.25	7.66	0.00	7.66	13.85	8.22	0.00	8.22
11.30	8.27	0.00	8.27	13.90	8.09	0.00	8.09
11.35	8.91	0.00	8.91	13.95	7.97	0.00	7.97
11.40	9.58	0.00	9.58	14.00	7.84	0.00	7.84
11.45	10.26	0.00	10.26	14.05	7.72	0.00	7.72
11.50	10.95	0.00	10.95	14.10	7.59	0.00	7.59
11.55	11.81	0.00	11.81	14.15	7.47	0.00	7.47
11.60	13.62	0.00	13.62	14.20	7.35	0.00	7.35
11.65	16.27	0.00	16.27	14.25	7.23	0.00	7.23
11.70	18.70	0.00	18.70	14.30	7.11	0.00	7.11
11.75	20.75	0.00	20.75	14.35	6.99	0.00	6.99
11.80	23.66	0.00	23.66	14.40	6.86	0.00	6.86
11.85	27.80	0.00	27.80	14.45	6.74	0.00	6.74
11.90	33.39	0.00	33.39	14.50	6.61	0.00	6.61
11.95	40.83	0.00	40.83	14.55	6.49	0.00	6.49
12.00	52.99	0.00	52.99	14.60	6.37	0.00	6.37
12.05	70.69	0.00	70.69	14.65	6.24	0.00	6.24
12.10	96.03	0.00	96.03	14.70	6.11	0.00	6.11
12.15	122.35	0.00	122.35	14.75	5.99	0.00	5.99
12.20	125.39	0.00	125.39	14.80	5.86	0.00	5.86
12.25	103.96	0.00	103.96	14.85	5.74	0.00	5.74
12.30	80.48	0.00	80.48	14.90	5.62	0.00	5.62
12.35	64.25	0.00	64.25	14.95	5.49	0.00	5.49
12.40	52.75	0.00	52.75	15.00	5.36	0.00	5.36
12.45	44.38	0.00	44.38	15.05	5.23	0.00	5.23
12.50	38.92	0.00	38.92	15.10	5.11	0.00	5.11
12.55	35.52	0.00	35.52	15.15	4.99	0.00	4.99
12.60	31.80	0.00	31.80	15.20	4.90	0.00	4.90
12.65	27.43	0.00	27.43	15.25	4.83	0.00	4.83
12.70	24.07	0.00	24.07	15.30	4.78	0.00	4.78
12.75	22.07	0.00	22.07	15.35	4.74	0.00	4.74
12.80	20.70	0.00	20.70	15.40	4.71	0.00	4.71
12.85	19.62	0.00	19.62	15.45	4.68	0.00	4.68
12.90	18.65	0.00	18.65	15.50	4.64	0.00	4.64
12.95	17.76	0.00	17.76	15.55	4.61	0.00	4.61

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.58	0.00	4.58	18.20	2.84	0.00	2.84
15.65	4.55	0.00	4.55	18.25	2.83	0.00	2.83
15.70	4.51	0.00	4.51	18.30	2.82	0.00	2.82
15.75	4.48	0.00	4.48	18.35	2.80	0.00	2.80
15.80	4.44	0.00	4.44	18.40	2.80	0.00	2.80
15.85	4.41	0.00	4.41	18.45	2.79	0.00	2.79
15.90	4.38	0.00	4.38	18.50	2.78	0.00	2.78
15.95	4.35	0.00	4.35	18.55	2.77	0.00	2.77
16.00	4.32	0.00	4.32	18.60	2.76	0.00	2.76
16.05	4.28	0.00	4.28	18.65	2.75	0.00	2.75
16.10	4.25	0.00	4.25	18.70	2.75	0.00	2.75
16.15	4.22	0.00	4.22	18.75	2.74	0.00	2.74
16.20	4.19	0.00	4.19	18.80	2.73	0.00	2.73
16.25	4.16	0.00	4.16	18.85	2.72	0.00	2.72
16.30	4.12	0.00	4.12	18.90	2.71	0.00	2.71
16.35	4.08	0.00	4.08	18.95	2.70	0.00	2.70
16.40	4.05	0.00	4.05	19.00	2.70	0.00	2.70
16.45	4.02	0.00	4.02	19.05	2.69	0.00	2.69
16.50	3.98	0.00	3.98	19.10	2.68	0.00	2.68
16.55	3.95	0.00	3.95	19.15	2.67	0.00	2.67
16.60	3.91	0.00	3.91	19.20	2.66	0.00	2.66
16.65	3.88	0.00	3.88	19.25	2.65	0.00	2.65
16.70	3.85	0.00	3.85	19.30	2.65	0.00	2.65
16.75	3.82	0.00	3.82	19.35	2.64	0.00	2.64
16.80	3.78	0.00	3.78	19.40	2.63	0.00	2.63
16.85	3.75	0.00	3.75	19.45	2.62	0.00	2.62
16.90	3.71	0.00	3.71	19.50	2.61	0.00	2.61
16.95	3.68	0.00	3.68	19.55	2.60	0.00	2.60
17.00	3.65	0.00	3.65	19.60	2.60	0.00	2.60
17.05	3.62	0.00	3.62	19.65	2.59	0.00	2.59
17.10	3.59	0.00	3.59	19.70	2.58	0.00	2.58
17.15	3.55	0.00	3.55	19.75	2.57	0.00	2.57
17.20	3.52	0.00	3.52	19.80	2.57	0.00	2.57
17.25	3.48	0.00	3.48	19.85	2.56	0.00	2.56
17.30	3.45	0.00	3.45	19.90	2.56	0.00	2.56
17.35	3.41	0.00	3.41	19.95	2.54	0.00	2.54
17.40	3.37	0.00	3.37	20.00	2.53	0.00	2.53
17.45	3.34	0.00	3.34	20.05	2.52	0.00	2.52
17.50	3.31	0.00	3.31	20.10	2.51	0.00	2.51
17.55	3.28	0.00	3.28	20.15	2.50	0.00	2.50
17.60	3.24	0.00	3.24	20.20	2.50	0.00	2.50
17.65	3.21	0.00	3.21	20.25	2.49	0.00	2.49
17.70	3.18	0.00	3.18	20.30	2.48	0.00	2.48
17.75	3.14	0.00	3.14	20.35	2.47	0.00	2.47
17.80	3.11	0.00	3.11	20.40	2.46	0.00	2.46
17.85	3.07	0.00	3.07	20.45	2.45	0.00	2.45
17.90	3.04	0.00	3.04	20.50	2.45	0.00	2.45
17.95	3.01	0.00	3.01	20.55	2.44	0.00	2.44
18.00	2.97	0.00	2.97	20.60	2.43	0.00	2.43
18.05	2.94	0.00	2.94	20.65	2.43	0.00	2.43
18.10	2.90	0.00	2.90	20.70	2.42	0.00	2.42
18.15	2.87	0.00	2.87	20.75	2.41	0.00	2.41

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.40	0.00	2.40	23.40	1.95	0.00	1.95
20.85	2.39	0.00	2.39	23.45	1.95	0.00	1.95
20.90	2.38	0.00	2.38	23.50	1.94	0.00	1.94
20.95	2.37	0.00	2.37	23.55	1.93	0.00	1.93
21.00	2.36	0.00	2.36	23.60	1.92	0.00	1.92
21.05	2.35	0.00	2.35	23.65	1.91	0.00	1.91
21.10	2.34	0.00	2.34	23.70	1.90	0.00	1.90
21.15	2.34	0.00	2.34	23.75	1.90	0.00	1.90
21.20	2.33	0.00	2.33	23.80	1.89	0.00	1.89
21.25	2.32	0.00	2.32	23.85	1.88	0.00	1.88
21.30	2.31	0.00	2.31	23.90	1.86	0.00	1.86
21.35	2.31	0.00	2.31	23.95	1.87	0.00	1.87
21.40	2.30	0.00	2.30	24.00	1.94	0.00	1.94
21.45	2.29	0.00	2.29	24.05	2.00	0.00	2.00
21.50	2.28	0.00	2.28	24.10	1.69	0.00	1.69
21.55	2.27	0.00	2.27	24.15	1.06	0.00	1.06
21.60	2.26	0.00	2.26	24.20	0.54	0.00	0.54
21.65	2.25	0.00	2.25	24.25	0.26	0.00	0.26
21.70	2.24	0.00	2.24	24.30	0.13	0.00	0.13
21.75	2.23	0.00	2.23	24.35	0.06	0.00	0.06
21.80	2.23	0.00	2.23	24.40	0.03	0.00	0.03
21.85	2.22	0.00	2.22	24.45	0.01	0.00	0.01
21.90	2.22	0.00	2.22	24.50	0.01	0.00	0.01
21.95	2.20	0.00	2.20	24.55	0.00	0.00	0.00
22.00	2.19	0.00	2.19	24.60	0.00	0.00	0.00
22.05	2.18	0.00	2.18	24.65	0.00	0.00	0.00
22.10	2.17	0.00	2.17	24.70	0.00	0.00	0.00
22.15	2.17	0.00	2.17	24.75	0.00	0.00	0.00
22.20	2.16	0.00	2.16	24.80	0.00	0.00	0.00
22.25	2.16	0.00	2.16	24.85	0.00	0.00	0.00
22.30	2.15	0.00	2.15	24.90	0.00	0.00	0.00
22.35	2.14	0.00	2.14	24.95	0.00	0.00	0.00
22.40	2.12	0.00	2.12	25.00	0.00	0.00	0.00
22.45	2.11	0.00	2.11	25.05	0.00	0.00	0.00
22.50	2.10	0.00	2.10	25.10	0.00	0.00	0.00
22.55	2.10	0.00	2.10	25.15	0.00	0.00	0.00
22.60	2.09	0.00	2.09	25.20	0.00	0.00	0.00
22.65	2.09	0.00	2.09	25.25	0.00	0.00	0.00
22.70	2.08	0.00	2.08	25.30	0.00	0.00	0.00
22.75	2.07	0.00	2.07	25.35	0.00	0.00	0.00
22.80	2.06	0.00	2.06	25.40	0.00	0.00	0.00
22.85	2.04	0.00	2.04	25.45	0.00	0.00	0.00
22.90	2.04	0.00	2.04	25.50	0.00	0.00	0.00
22.95	2.03	0.00	2.03	25.55	0.00	0.00	0.00
23.00	2.02	0.00	2.02	25.60	0.00	0.00	0.00
23.05	2.02	0.00	2.02	25.65	0.00	0.00	0.00
23.10	2.01	0.00	2.01	25.70	0.00	0.00	0.00
23.15	2.00	0.00	2.00	25.75	0.00	0.00	0.00
23.20	1.99	0.00	1.99	25.80	0.00	0.00	0.00
23.25	1.98	0.00	1.98	25.85	0.00	0.00	0.00
23.30	1.97	0.00	1.97	25.90	0.00	0.00	0.00
23.35	1.96	0.00	1.96	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

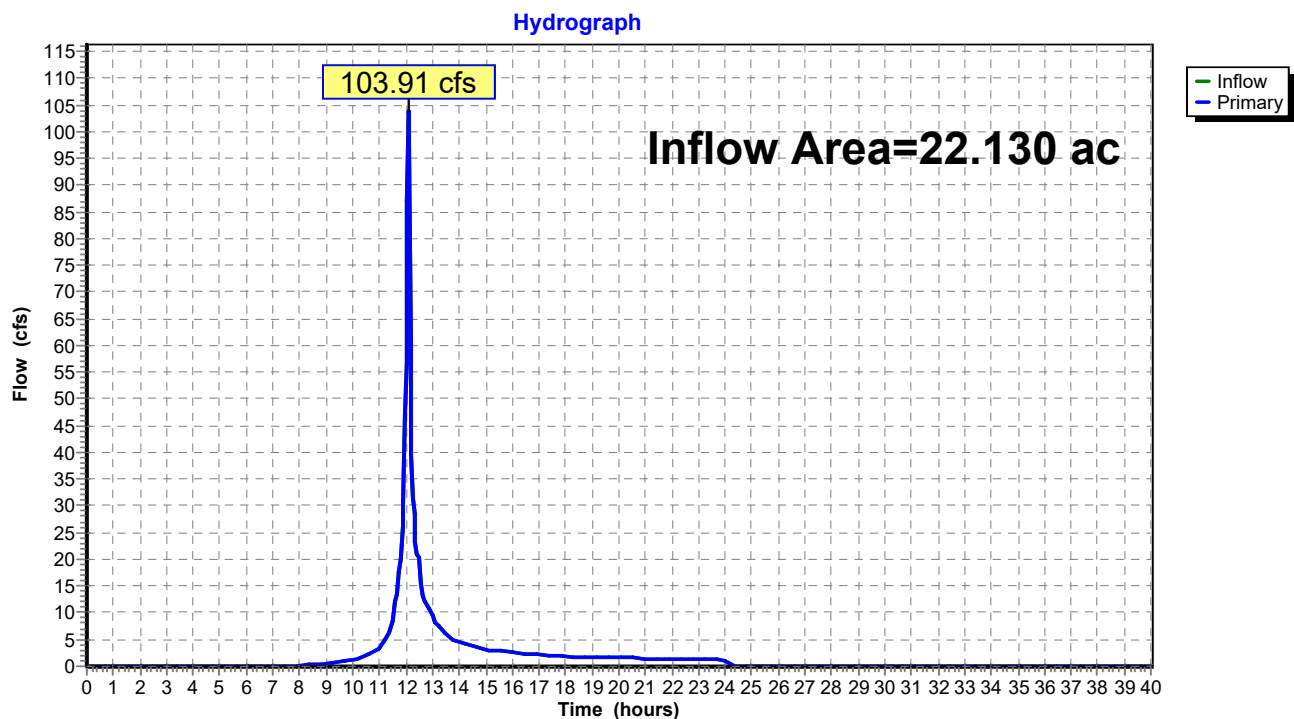
Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 3.22" for Future 10 yr event
Inflow = 103.91 cfs @ 12.09 hrs, Volume= 5.932 af
Primary = 103.91 cfs @ 12.09 hrs, Volume= 5.932 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.06	0.00	0.06
5.25	0.00	0.00	0.00	7.85	0.07	0.00	0.07
5.30	0.00	0.00	0.00	7.90	0.09	0.00	0.09
5.35	0.00	0.00	0.00	7.95	0.10	0.00	0.10
5.40	0.00	0.00	0.00	8.00	0.11	0.00	0.11
5.45	0.00	0.00	0.00	8.05	0.13	0.00	0.13
5.50	0.00	0.00	0.00	8.10	0.14	0.00	0.14
5.55	0.00	0.00	0.00	8.15	0.16	0.00	0.16
5.60	0.00	0.00	0.00	8.20	0.17	0.00	0.17
5.65	0.00	0.00	0.00	8.25	0.19	0.00	0.19
5.70	0.00	0.00	0.00	8.30	0.20	0.00	0.20
5.75	0.00	0.00	0.00	8.35	0.22	0.00	0.22
5.80	0.00	0.00	0.00	8.40	0.23	0.00	0.23
5.85	0.00	0.00	0.00	8.45	0.25	0.00	0.25
5.90	0.00	0.00	0.00	8.50	0.27	0.00	0.27
5.95	0.00	0.00	0.00	8.55	0.28	0.00	0.28
6.00	0.00	0.00	0.00	8.60	0.30	0.00	0.30
6.05	0.00	0.00	0.00	8.65	0.32	0.00	0.32
6.10	0.00	0.00	0.00	8.70	0.33	0.00	0.33
6.15	0.00	0.00	0.00	8.75	0.35	0.00	0.35
6.20	0.00	0.00	0.00	8.80	0.37	0.00	0.37
6.25	0.00	0.00	0.00	8.85	0.39	0.00	0.39
6.30	0.00	0.00	0.00	8.90	0.40	0.00	0.40
6.35	0.00	0.00	0.00	8.95	0.42	0.00	0.42
6.40	0.00	0.00	0.00	9.00	0.44	0.00	0.44
6.45	0.00	0.00	0.00	9.05	0.47	0.00	0.47
6.50	0.00	0.00	0.00	9.10	0.50	0.00	0.50
6.55	0.00	0.00	0.00	9.15	0.53	0.00	0.53
6.60	0.00	0.00	0.00	9.20	0.56	0.00	0.56
6.65	0.00	0.00	0.00	9.25	0.60	0.00	0.60
6.70	0.00	0.00	0.00	9.30	0.63	0.00	0.63
6.75	0.00	0.00	0.00	9.35	0.67	0.00	0.67
6.80	0.00	0.00	0.00	9.40	0.70	0.00	0.70
6.85	0.00	0.00	0.00	9.45	0.74	0.00	0.74
6.90	0.00	0.00	0.00	9.50	0.77	0.00	0.77
6.95	0.00	0.00	0.00	9.55	0.82	0.00	0.82
7.00	0.00	0.00	0.00	9.60	0.85	0.00	0.85
7.05	0.00	0.00	0.00	9.65	0.90	0.00	0.90
7.10	0.00	0.00	0.00	9.70	0.94	0.00	0.94
7.15	0.00	0.00	0.00	9.75	0.99	0.00	0.99
7.20	0.00	0.00	0.00	9.80	1.03	0.00	1.03
7.25	0.00	0.00	0.00	9.85	1.09	0.00	1.09
7.30	0.00	0.00	0.00	9.90	1.13	0.00	1.13
7.35	0.00	0.00	0.00	9.95	1.18	0.00	1.18
7.40	0.00	0.00	0.00	10.00	1.23	0.00	1.23
7.45	0.00	0.00	0.00	10.05	1.29	0.00	1.29
7.50	0.00	0.00	0.00	10.10	1.33	0.00	1.33
7.55	0.00	0.00	0.00	10.15	1.40	0.00	1.40
7.60	0.01	0.00	0.01	10.20	1.45	0.00	1.45
7.65	0.02	0.00	0.02	10.25	1.51	0.00	1.51
7.70	0.03	0.00	0.03	10.30	1.56	0.00	1.56
7.75	0.05	0.00	0.05	10.35	1.63	0.00	1.63

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.68	0.00	1.68	13.00	9.23	0.00	9.23
10.45	1.76	0.00	1.76	13.05	8.50	0.00	8.50
10.50	1.82	0.00	1.82	13.10	8.17	0.00	8.17
10.55	2.00	0.00	2.00	13.15	7.77	0.00	7.77
10.60	2.11	0.00	2.11	13.20	7.59	0.00	7.59
10.65	2.30	0.00	2.30	13.25	7.20	0.00	7.20
10.70	2.42	0.00	2.42	13.30	7.02	0.00	7.02
10.75	2.64	0.00	2.64	13.35	6.62	0.00	6.62
10.80	2.77	0.00	2.77	13.40	6.44	0.00	6.44
10.85	3.00	0.00	3.00	13.45	6.04	0.00	6.04
10.90	3.14	0.00	3.14	13.50	5.86	0.00	5.86
10.95	3.39	0.00	3.39	13.55	5.46	0.00	5.46
11.00	3.56	0.00	3.56	13.60	5.29	0.00	5.29
11.05	3.97	0.00	3.97	13.65	5.17	0.00	5.17
11.10	4.22	0.00	4.22	13.70	5.12	0.00	5.12
11.15	4.68	0.00	4.68	13.75	5.02	0.00	5.02
11.20	4.96	0.00	4.96	13.80	4.98	0.00	4.98
11.25	5.45	0.00	5.45	13.85	4.88	0.00	4.88
11.30	5.76	0.00	5.76	13.90	4.84	0.00	4.84
11.35	6.29	0.00	6.29	13.95	4.73	0.00	4.73
11.40	6.63	0.00	6.63	14.00	4.68	0.00	4.68
11.45	7.10	0.00	7.10	14.05	4.57	0.00	4.57
11.50	7.51	0.00	7.51	14.10	4.53	0.00	4.53
11.55	10.51	0.00	10.51	14.15	4.43	0.00	4.43
11.60	12.10	0.00	12.10	14.20	4.39	0.00	4.39
11.65	13.00	0.00	13.00	14.25	4.28	0.00	4.28
11.70	13.71	0.00	13.71	14.30	4.23	0.00	4.23
11.75	17.65	0.00	17.65	14.35	4.12	0.00	4.12
11.80	20.00	0.00	20.00	14.40	4.07	0.00	4.07
11.85	26.17	0.00	26.17	14.45	3.97	0.00	3.97
11.90	30.17	0.00	30.17	14.50	3.93	0.00	3.93
11.95	46.73	0.00	46.73	14.55	3.82	0.00	3.82
12.00	56.86	0.00	56.86	14.60	3.76	0.00	3.76
12.05	87.10	0.00	87.10	14.65	3.66	0.00	3.66
12.10	102.27	0.00	102.27	14.70	3.61	0.00	3.61
12.15	59.53	0.00	59.53	14.75	3.51	0.00	3.51
12.20	39.50	0.00	39.50	14.80	3.46	0.00	3.46
12.25	31.48	0.00	31.48	14.85	3.35	0.00	3.35
12.30	28.36	0.00	28.36	14.90	3.30	0.00	3.30
12.35	23.24	0.00	23.24	14.95	3.19	0.00	3.19
12.40	21.09	0.00	21.09	15.00	3.14	0.00	3.14
12.45	20.38	0.00	20.38	15.05	3.04	0.00	3.04
12.50	20.00	0.00	20.00	15.10	3.00	0.00	3.00
12.55	15.30	0.00	15.30	15.15	2.96	0.00	2.96
12.60	13.23	0.00	13.23	15.20	2.95	0.00	2.95
12.65	12.59	0.00	12.59	15.25	2.92	0.00	2.92
12.70	12.36	0.00	12.36	15.30	2.91	0.00	2.91
12.75	11.65	0.00	11.65	15.35	2.89	0.00	2.89
12.80	11.33	0.00	11.33	15.40	2.88	0.00	2.88
12.85	10.62	0.00	10.62	15.45	2.84	0.00	2.84
12.90	10.30	0.00	10.30	15.50	2.83	0.00	2.83
12.95	9.56	0.00	9.56	15.55	2.80	0.00	2.80

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.80	0.00	2.80	18.20	1.74	0.00	1.74
15.65	2.76	0.00	2.76	18.25	1.74	0.00	1.74
15.70	2.74	0.00	2.74	18.30	1.73	0.00	1.73
15.75	2.72	0.00	2.72	18.35	1.72	0.00	1.72
15.80	2.70	0.00	2.70	18.40	1.72	0.00	1.72
15.85	2.68	0.00	2.68	18.45	1.71	0.00	1.71
15.90	2.67	0.00	2.67	18.50	1.71	0.00	1.71
15.95	2.64	0.00	2.64	18.55	1.70	0.00	1.70
16.00	2.62	0.00	2.62	18.60	1.70	0.00	1.70
16.05	2.60	0.00	2.60	18.65	1.69	0.00	1.69
16.10	2.59	0.00	2.59	18.70	1.69	0.00	1.69
16.15	2.56	0.00	2.56	18.75	1.68	0.00	1.68
16.20	2.55	0.00	2.55	18.80	1.68	0.00	1.68
16.25	2.51	0.00	2.51	18.85	1.67	0.00	1.67
16.30	2.50	0.00	2.50	18.90	1.67	0.00	1.67
16.35	2.48	0.00	2.48	18.95	1.66	0.00	1.66
16.40	2.47	0.00	2.47	19.00	1.66	0.00	1.66
16.45	2.43	0.00	2.43	19.05	1.65	0.00	1.65
16.50	2.42	0.00	2.42	19.10	1.65	0.00	1.65
16.55	2.39	0.00	2.39	19.15	1.64	0.00	1.64
16.60	2.38	0.00	2.38	19.20	1.64	0.00	1.64
16.65	2.36	0.00	2.36	19.25	1.63	0.00	1.63
16.70	2.34	0.00	2.34	19.30	1.63	0.00	1.63
16.75	2.31	0.00	2.31	19.35	1.62	0.00	1.62
16.80	2.29	0.00	2.29	19.40	1.62	0.00	1.62
16.85	2.27	0.00	2.27	19.45	1.61	0.00	1.61
16.90	2.26	0.00	2.26	19.50	1.61	0.00	1.61
16.95	2.23	0.00	2.23	19.55	1.60	0.00	1.60
17.00	2.22	0.00	2.22	19.60	1.60	0.00	1.60
17.05	2.19	0.00	2.19	19.65	1.59	0.00	1.59
17.10	2.18	0.00	2.18	19.70	1.59	0.00	1.59
17.15	2.15	0.00	2.15	19.75	1.59	0.00	1.59
17.20	2.13	0.00	2.13	19.80	1.59	0.00	1.59
17.25	2.10	0.00	2.10	19.85	1.57	0.00	1.57
17.30	2.08	0.00	2.08	19.90	1.57	0.00	1.57
17.35	2.06	0.00	2.06	19.95	1.56	0.00	1.56
17.40	2.05	0.00	2.05	20.00	1.56	0.00	1.56
17.45	2.02	0.00	2.02	20.05	1.55	0.00	1.55
17.50	2.01	0.00	2.01	20.10	1.55	0.00	1.55
17.55	1.98	0.00	1.98	20.15	1.54	0.00	1.54
17.60	1.96	0.00	1.96	20.20	1.54	0.00	1.54
17.65	1.94	0.00	1.94	20.25	1.53	0.00	1.53
17.70	1.92	0.00	1.92	20.30	1.53	0.00	1.53
17.75	1.89	0.00	1.89	20.35	1.52	0.00	1.52
17.80	1.88	0.00	1.88	20.40	1.52	0.00	1.52
17.85	1.85	0.00	1.85	20.45	1.51	0.00	1.51
17.90	1.84	0.00	1.84	20.50	1.51	0.00	1.51
17.95	1.81	0.00	1.81	20.55	1.51	0.00	1.51
18.00	1.79	0.00	1.79	20.60	1.51	0.00	1.51
18.05	1.77	0.00	1.77	20.65	1.49	0.00	1.49
18.10	1.75	0.00	1.75	20.70	1.48	0.00	1.48
18.15	1.75	0.00	1.75	20.75	1.48	0.00	1.48

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.47	0.00	1.47	23.40	1.21	0.00	1.21
20.85	1.47	0.00	1.47	23.45	1.19	0.00	1.19
20.90	1.46	0.00	1.46	23.50	1.19	0.00	1.19
20.95	1.46	0.00	1.46	23.55	1.18	0.00	1.18
21.00	1.45	0.00	1.45	23.60	1.18	0.00	1.18
21.05	1.45	0.00	1.45	23.65	1.18	0.00	1.18
21.10	1.44	0.00	1.44	23.70	1.18	0.00	1.18
21.15	1.44	0.00	1.44	23.75	1.16	0.00	1.16
21.20	1.43	0.00	1.43	23.80	1.15	0.00	1.15
21.25	1.43	0.00	1.43	23.85	1.15	0.00	1.15
21.30	1.43	0.00	1.43	23.90	1.15	0.00	1.15
21.35	1.42	0.00	1.42	23.95	1.33	0.00	1.33
21.40	1.41	0.00	1.41	24.00	1.38	0.00	1.38
21.45	1.40	0.00	1.40	24.05	0.44	0.00	0.44
21.50	1.40	0.00	1.40	24.10	0.03	0.00	0.03
21.55	1.39	0.00	1.39	24.15	0.00	0.00	0.00
21.60	1.39	0.00	1.39	24.20	0.00	0.00	0.00
21.65	1.38	0.00	1.38	24.25	0.00	0.00	0.00
21.70	1.38	0.00	1.38	24.30	0.00	0.00	0.00
21.75	1.38	0.00	1.38	24.35	0.00	0.00	0.00
21.80	1.38	0.00	1.38	24.40	0.00	0.00	0.00
21.85	1.36	0.00	1.36	24.45	0.00	0.00	0.00
21.90	1.36	0.00	1.36	24.50	0.00	0.00	0.00
21.95	1.35	0.00	1.35	24.55	0.00	0.00	0.00
22.00	1.35	0.00	1.35	24.60	0.00	0.00	0.00
22.05	1.34	0.00	1.34	24.65	0.00	0.00	0.00
22.10	1.34	0.00	1.34	24.70	0.00	0.00	0.00
22.15	1.34	0.00	1.34	24.75	0.00	0.00	0.00
22.20	1.34	0.00	1.34	24.80	0.00	0.00	0.00
22.25	1.32	0.00	1.32	24.85	0.00	0.00	0.00
22.30	1.32	0.00	1.32	24.90	0.00	0.00	0.00
22.35	1.31	0.00	1.31	24.95	0.00	0.00	0.00
22.40	1.30	0.00	1.30	25.00	0.00	0.00	0.00
22.45	1.30	0.00	1.30	25.05	0.00	0.00	0.00
22.50	1.29	0.00	1.29	25.10	0.00	0.00	0.00
22.55	1.29	0.00	1.29	25.15	0.00	0.00	0.00
22.60	1.29	0.00	1.29	25.20	0.00	0.00	0.00
22.65	1.28	0.00	1.28	25.25	0.00	0.00	0.00
22.70	1.27	0.00	1.27	25.30	0.00	0.00	0.00
22.75	1.27	0.00	1.27	25.35	0.00	0.00	0.00
22.80	1.26	0.00	1.26	25.40	0.00	0.00	0.00
22.85	1.25	0.00	1.25	25.45	0.00	0.00	0.00
22.90	1.25	0.00	1.25	25.50	0.00	0.00	0.00
22.95	1.25	0.00	1.25	25.55	0.00	0.00	0.00
23.00	1.25	0.00	1.25	25.60	0.00	0.00	0.00
23.05	1.24	0.00	1.24	25.65	0.00	0.00	0.00
23.10	1.23	0.00	1.23	25.70	0.00	0.00	0.00
23.15	1.22	0.00	1.22	25.75	0.00	0.00	0.00
23.20	1.22	0.00	1.22	25.80	0.00	0.00	0.00
23.25	1.21	0.00	1.21	25.85	0.00	0.00	0.00
23.30	1.21	0.00	1.21	25.90	0.00	0.00	0.00
23.35	1.21	0.00	1.21	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

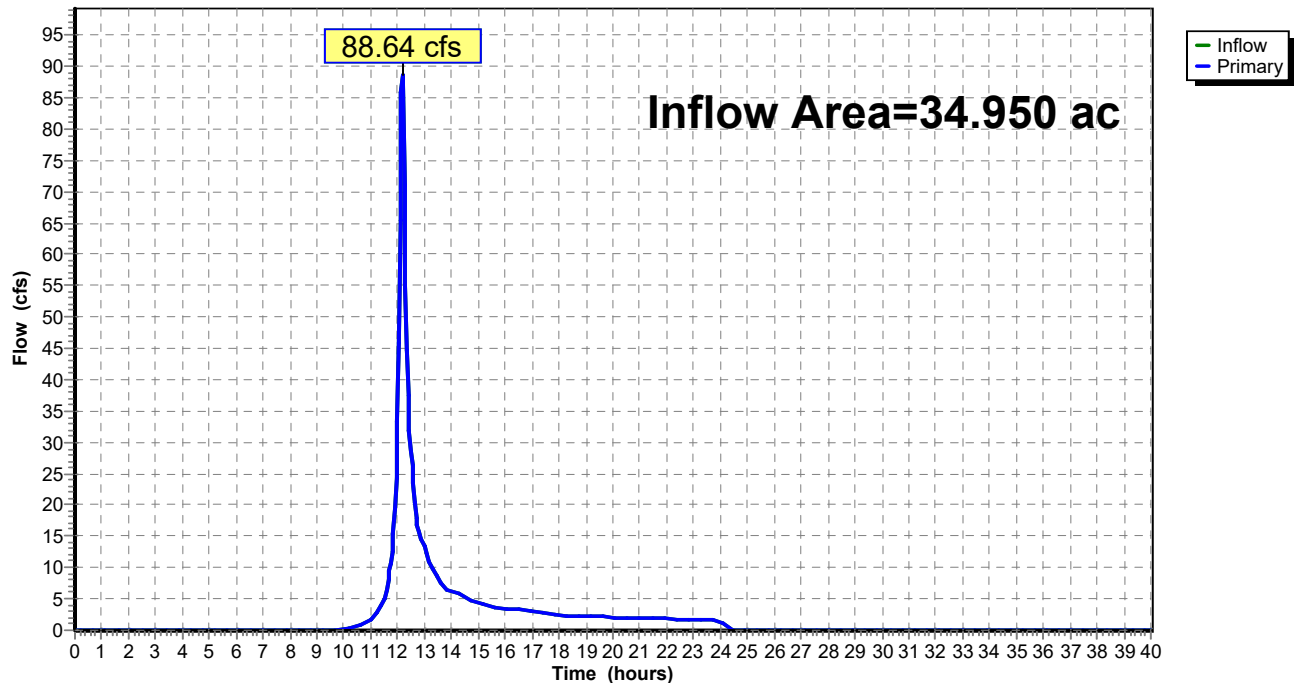
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 2.31" for Future 10 yr event
Inflow = 88.64 cfs @ 12.18 hrs, Volume= 6.721 af
Primary = 88.64 cfs @ 12.18 hrs, Volume= 6.721 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.01	0.00	0.01
7.25	0.00	0.00	0.00	9.85	0.02	0.00	0.02
7.30	0.00	0.00	0.00	9.90	0.05	0.00	0.05
7.35	0.00	0.00	0.00	9.95	0.08	0.00	0.08
7.40	0.00	0.00	0.00	10.00	0.11	0.00	0.11
7.45	0.00	0.00	0.00	10.05	0.15	0.00	0.15
7.50	0.00	0.00	0.00	10.10	0.19	0.00	0.19
7.55	0.00	0.00	0.00	10.15	0.23	0.00	0.23
7.60	0.00	0.00	0.00	10.20	0.27	0.00	0.27
7.65	0.00	0.00	0.00	10.25	0.32	0.00	0.32
7.70	0.00	0.00	0.00	10.30	0.36	0.00	0.36
7.75	0.00	0.00	0.00	10.35	0.41	0.00	0.41

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.46	0.00	0.46	13.00	12.99	0.00	12.99
10.45	0.51	0.00	0.51	13.05	12.35	0.00	12.35
10.50	0.57	0.00	0.57	13.10	11.70	0.00	11.70
10.55	0.62	0.00	0.62	13.15	11.06	0.00	11.06
10.60	0.69	0.00	0.69	13.20	10.53	0.00	10.53
10.65	0.78	0.00	0.78	13.25	10.10	0.00	10.10
10.70	0.87	0.00	0.87	13.30	9.70	0.00	9.70
10.75	0.98	0.00	0.98	13.35	9.33	0.00	9.33
10.80	1.09	0.00	1.09	13.40	8.97	0.00	8.97
10.85	1.21	0.00	1.21	13.45	8.61	0.00	8.61
10.90	1.35	0.00	1.35	13.50	8.24	0.00	8.24
10.95	1.49	0.00	1.49	13.55	7.88	0.00	7.88
11.00	1.64	0.00	1.64	13.60	7.51	0.00	7.51
11.05	1.82	0.00	1.82	13.65	7.17	0.00	7.17
11.10	2.03	0.00	2.03	13.70	6.91	0.00	6.91
11.15	2.28	0.00	2.28	13.75	6.75	0.00	6.75
11.20	2.57	0.00	2.57	13.80	6.62	0.00	6.62
11.25	2.88	0.00	2.88	13.85	6.51	0.00	6.51
11.30	3.22	0.00	3.22	13.90	6.41	0.00	6.41
11.35	3.58	0.00	3.58	13.95	6.32	0.00	6.32
11.40	3.98	0.00	3.98	14.00	6.23	0.00	6.23
11.45	4.39	0.00	4.39	14.05	6.13	0.00	6.13
11.50	4.82	0.00	4.82	14.10	6.04	0.00	6.04
11.55	5.36	0.00	5.36	14.15	5.94	0.00	5.94
11.60	6.46	0.00	6.46	14.20	5.85	0.00	5.85
11.65	8.01	0.00	8.01	14.25	5.76	0.00	5.76
11.70	9.42	0.00	9.42	14.30	5.67	0.00	5.67
11.75	10.72	0.00	10.72	14.35	5.57	0.00	5.57
11.80	12.67	0.00	12.67	14.40	5.47	0.00	5.47
11.85	15.40	0.00	15.40	14.45	5.38	0.00	5.38
11.90	19.19	0.00	19.19	14.50	5.28	0.00	5.28
11.95	24.43	0.00	24.43	14.55	5.19	0.00	5.19
12.00	33.19	0.00	33.19	14.60	5.09	0.00	5.09
12.05	45.93	0.00	45.93	14.65	4.99	0.00	4.99
12.10	65.35	0.00	65.35	14.70	4.89	0.00	4.89
12.15	85.79	0.00	85.79	14.75	4.80	0.00	4.80
12.20	87.07	0.00	87.07	14.80	4.70	0.00	4.70
12.25	71.02	0.00	71.02	14.85	4.60	0.00	4.60
12.30	55.26	0.00	55.26	14.90	4.50	0.00	4.50
12.35	44.83	0.00	44.83	14.95	4.40	0.00	4.40
12.40	37.36	0.00	37.36	15.00	4.30	0.00	4.30
12.45	31.85	0.00	31.85	15.05	4.20	0.00	4.20
12.50	28.41	0.00	28.41	15.10	4.10	0.00	4.10
12.55	26.31	0.00	26.31	15.15	4.01	0.00	4.01
12.60	23.56	0.00	23.56	15.20	3.94	0.00	3.94
12.65	20.30	0.00	20.30	15.25	3.89	0.00	3.89
12.70	17.99	0.00	17.99	15.30	3.86	0.00	3.86
12.75	16.67	0.00	16.67	15.35	3.82	0.00	3.82
12.80	15.74	0.00	15.74	15.40	3.80	0.00	3.80
12.85	14.99	0.00	14.99	15.45	3.78	0.00	3.78
12.90	14.30	0.00	14.30	15.50	3.75	0.00	3.75
12.95	13.65	0.00	13.65	15.55	3.73	0.00	3.73

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.70	0.00	3.70	18.20	2.33	0.00	2.33
15.65	3.68	0.00	3.68	18.25	2.32	0.00	2.32
15.70	3.65	0.00	3.65	18.30	2.31	0.00	2.31
15.75	3.62	0.00	3.62	18.35	2.30	0.00	2.30
15.80	3.60	0.00	3.60	18.40	2.30	0.00	2.30
15.85	3.57	0.00	3.57	18.45	2.29	0.00	2.29
15.90	3.55	0.00	3.55	18.50	2.28	0.00	2.28
15.95	3.53	0.00	3.53	18.55	2.28	0.00	2.28
16.00	3.50	0.00	3.50	18.60	2.27	0.00	2.27
16.05	3.47	0.00	3.47	18.65	2.27	0.00	2.27
16.10	3.45	0.00	3.45	18.70	2.26	0.00	2.26
16.15	3.42	0.00	3.42	18.75	2.25	0.00	2.25
16.20	3.40	0.00	3.40	18.80	2.25	0.00	2.25
16.25	3.38	0.00	3.38	18.85	2.24	0.00	2.24
16.30	3.35	0.00	3.35	18.90	2.23	0.00	2.23
16.35	3.32	0.00	3.32	18.95	2.23	0.00	2.23
16.40	3.29	0.00	3.29	19.00	2.22	0.00	2.22
16.45	3.27	0.00	3.27	19.05	2.21	0.00	2.21
16.50	3.24	0.00	3.24	19.10	2.21	0.00	2.21
16.55	3.21	0.00	3.21	19.15	2.20	0.00	2.20
16.60	3.18	0.00	3.18	19.20	2.20	0.00	2.20
16.65	3.16	0.00	3.16	19.25	2.19	0.00	2.19
16.70	3.14	0.00	3.14	19.30	2.18	0.00	2.18
16.75	3.11	0.00	3.11	19.35	2.18	0.00	2.18
16.80	3.08	0.00	3.08	19.40	2.17	0.00	2.17
16.85	3.05	0.00	3.05	19.45	2.16	0.00	2.16
16.90	3.03	0.00	3.03	19.50	2.16	0.00	2.16
16.95	3.00	0.00	3.00	19.55	2.15	0.00	2.15
17.00	2.98	0.00	2.98	19.60	2.14	0.00	2.14
17.05	2.95	0.00	2.95	19.65	2.14	0.00	2.14
17.10	2.93	0.00	2.93	19.70	2.13	0.00	2.13
17.15	2.90	0.00	2.90	19.75	2.12	0.00	2.12
17.20	2.87	0.00	2.87	19.80	2.12	0.00	2.12
17.25	2.84	0.00	2.84	19.85	2.12	0.00	2.12
17.30	2.82	0.00	2.82	19.90	2.11	0.00	2.11
17.35	2.78	0.00	2.78	19.95	2.10	0.00	2.10
17.40	2.76	0.00	2.76	20.00	2.09	0.00	2.09
17.45	2.73	0.00	2.73	20.05	2.09	0.00	2.09
17.50	2.71	0.00	2.71	20.10	2.08	0.00	2.08
17.55	2.68	0.00	2.68	20.15	2.07	0.00	2.07
17.60	2.65	0.00	2.65	20.20	2.06	0.00	2.06
17.65	2.63	0.00	2.63	20.25	2.06	0.00	2.06
17.70	2.60	0.00	2.60	20.30	2.05	0.00	2.05
17.75	2.57	0.00	2.57	20.35	2.04	0.00	2.04
17.80	2.54	0.00	2.54	20.40	2.04	0.00	2.04
17.85	2.52	0.00	2.52	20.45	2.03	0.00	2.03
17.90	2.49	0.00	2.49	20.50	2.02	0.00	2.02
17.95	2.46	0.00	2.46	20.55	2.02	0.00	2.02
18.00	2.43	0.00	2.43	20.60	2.01	0.00	2.01
18.05	2.41	0.00	2.41	20.65	2.01	0.00	2.01
18.10	2.38	0.00	2.38	20.70	2.01	0.00	2.01
18.15	2.35	0.00	2.35	20.75	2.00	0.00	2.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.99	0.00	1.99	23.40	1.63	0.00	1.63
20.85	1.98	0.00	1.98	23.45	1.63	0.00	1.63
20.90	1.97	0.00	1.97	23.50	1.62	0.00	1.62
20.95	1.96	0.00	1.96	23.55	1.61	0.00	1.61
21.00	1.96	0.00	1.96	23.60	1.60	0.00	1.60
21.05	1.95	0.00	1.95	23.65	1.59	0.00	1.59
21.10	1.94	0.00	1.94	23.70	1.59	0.00	1.59
21.15	1.94	0.00	1.94	23.75	1.58	0.00	1.58
21.20	1.93	0.00	1.93	23.80	1.58	0.00	1.58
21.25	1.92	0.00	1.92	23.85	1.57	0.00	1.57
21.30	1.92	0.00	1.92	23.90	1.56	0.00	1.56
21.35	1.92	0.00	1.92	23.95	1.56	0.00	1.56
21.40	1.91	0.00	1.91	24.00	1.64	0.00	1.64
21.45	1.90	0.00	1.90	24.05	1.69	0.00	1.69
21.50	1.89	0.00	1.89	24.10	1.37	0.00	1.37
21.55	1.88	0.00	1.88	24.15	0.79	0.00	0.79
21.60	1.88	0.00	1.88	24.20	0.37	0.00	0.37
21.65	1.87	0.00	1.87	24.25	0.18	0.00	0.18
21.70	1.86	0.00	1.86	24.30	0.08	0.00	0.08
21.75	1.86	0.00	1.86	24.35	0.04	0.00	0.04
21.80	1.85	0.00	1.85	24.40	0.02	0.00	0.02
21.85	1.85	0.00	1.85	24.45	0.01	0.00	0.01
21.90	1.84	0.00	1.84	24.50	0.00	0.00	0.00
21.95	1.83	0.00	1.83	24.55	0.00	0.00	0.00
22.00	1.82	0.00	1.82	24.60	0.00	0.00	0.00
22.05	1.82	0.00	1.82	24.65	0.00	0.00	0.00
22.10	1.81	0.00	1.81	24.70	0.00	0.00	0.00
22.15	1.80	0.00	1.80	24.75	0.00	0.00	0.00
22.20	1.80	0.00	1.80	24.80	0.00	0.00	0.00
22.25	1.79	0.00	1.79	24.85	0.00	0.00	0.00
22.30	1.79	0.00	1.79	24.90	0.00	0.00	0.00
22.35	1.78	0.00	1.78	24.95	0.00	0.00	0.00
22.40	1.77	0.00	1.77	25.00	0.00	0.00	0.00
22.45	1.76	0.00	1.76	25.05	0.00	0.00	0.00
22.50	1.75	0.00	1.75	25.10	0.00	0.00	0.00
22.55	1.75	0.00	1.75	25.15	0.00	0.00	0.00
22.60	1.74	0.00	1.74	25.20	0.00	0.00	0.00
22.65	1.74	0.00	1.74	25.25	0.00	0.00	0.00
22.70	1.73	0.00	1.73	25.30	0.00	0.00	0.00
22.75	1.72	0.00	1.72	25.35	0.00	0.00	0.00
22.80	1.71	0.00	1.71	25.40	0.00	0.00	0.00
22.85	1.70	0.00	1.70	25.45	0.00	0.00	0.00
22.90	1.70	0.00	1.70	25.50	0.00	0.00	0.00
22.95	1.69	0.00	1.69	25.55	0.00	0.00	0.00
23.00	1.69	0.00	1.69	25.60	0.00	0.00	0.00
23.05	1.68	0.00	1.68	25.65	0.00	0.00	0.00
23.10	1.68	0.00	1.68	25.70	0.00	0.00	0.00
23.15	1.67	0.00	1.67	25.75	0.00	0.00	0.00
23.20	1.66	0.00	1.66	25.80	0.00	0.00	0.00
23.25	1.65	0.00	1.65	25.85	0.00	0.00	0.00
23.30	1.64	0.00	1.64	25.90	0.00	0.00	0.00
23.35	1.63	0.00	1.63	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

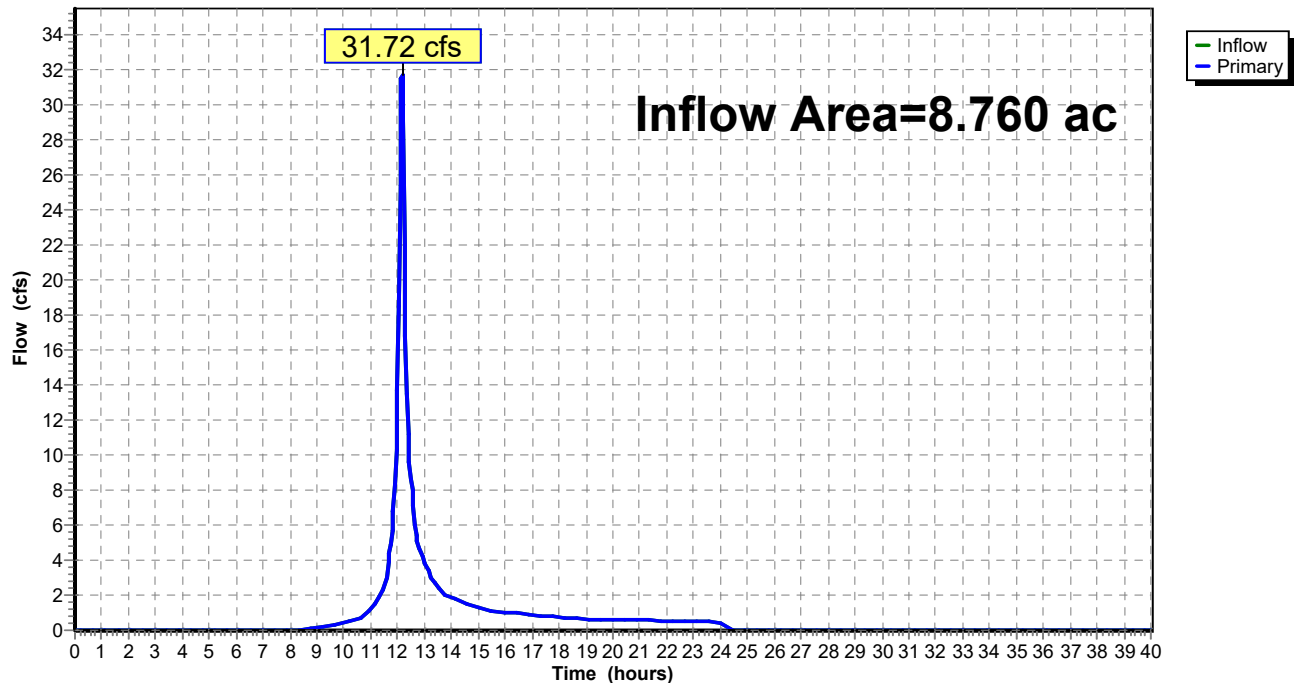
Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 3.12" for Future 10 yr event
Inflow = 31.72 cfs @ 12.16 hrs, Volume= 2.278 af
Primary = 31.72 cfs @ 12.16 hrs, Volume= 2.278 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.01	0.00	0.01
5.45	0.00	0.00	0.00	8.05	0.01	0.00	0.01
5.50	0.00	0.00	0.00	8.10	0.02	0.00	0.02
5.55	0.00	0.00	0.00	8.15	0.02	0.00	0.02
5.60	0.00	0.00	0.00	8.20	0.03	0.00	0.03
5.65	0.00	0.00	0.00	8.25	0.03	0.00	0.03
5.70	0.00	0.00	0.00	8.30	0.04	0.00	0.04
5.75	0.00	0.00	0.00	8.35	0.05	0.00	0.05
5.80	0.00	0.00	0.00	8.40	0.05	0.00	0.05
5.85	0.00	0.00	0.00	8.45	0.06	0.00	0.06
5.90	0.00	0.00	0.00	8.50	0.06	0.00	0.06
5.95	0.00	0.00	0.00	8.55	0.07	0.00	0.07
6.00	0.00	0.00	0.00	8.60	0.08	0.00	0.08
6.05	0.00	0.00	0.00	8.65	0.08	0.00	0.08
6.10	0.00	0.00	0.00	8.70	0.09	0.00	0.09
6.15	0.00	0.00	0.00	8.75	0.09	0.00	0.09
6.20	0.00	0.00	0.00	8.80	0.10	0.00	0.10
6.25	0.00	0.00	0.00	8.85	0.11	0.00	0.11
6.30	0.00	0.00	0.00	8.90	0.11	0.00	0.11
6.35	0.00	0.00	0.00	8.95	0.12	0.00	0.12
6.40	0.00	0.00	0.00	9.00	0.13	0.00	0.13
6.45	0.00	0.00	0.00	9.05	0.13	0.00	0.13
6.50	0.00	0.00	0.00	9.10	0.14	0.00	0.14
6.55	0.00	0.00	0.00	9.15	0.15	0.00	0.15
6.60	0.00	0.00	0.00	9.20	0.16	0.00	0.16
6.65	0.00	0.00	0.00	9.25	0.17	0.00	0.17
6.70	0.00	0.00	0.00	9.30	0.19	0.00	0.19
6.75	0.00	0.00	0.00	9.35	0.20	0.00	0.20
6.80	0.00	0.00	0.00	9.40	0.21	0.00	0.21
6.85	0.00	0.00	0.00	9.45	0.22	0.00	0.22
6.90	0.00	0.00	0.00	9.50	0.24	0.00	0.24
6.95	0.00	0.00	0.00	9.55	0.25	0.00	0.25
7.00	0.00	0.00	0.00	9.60	0.26	0.00	0.26
7.05	0.00	0.00	0.00	9.65	0.28	0.00	0.28
7.10	0.00	0.00	0.00	9.70	0.29	0.00	0.29
7.15	0.00	0.00	0.00	9.75	0.31	0.00	0.31
7.20	0.00	0.00	0.00	9.80	0.33	0.00	0.33
7.25	0.00	0.00	0.00	9.85	0.34	0.00	0.34
7.30	0.00	0.00	0.00	9.90	0.36	0.00	0.36
7.35	0.00	0.00	0.00	9.95	0.38	0.00	0.38
7.40	0.00	0.00	0.00	10.00	0.40	0.00	0.40
7.45	0.00	0.00	0.00	10.05	0.42	0.00	0.42
7.50	0.00	0.00	0.00	10.10	0.43	0.00	0.43
7.55	0.00	0.00	0.00	10.15	0.45	0.00	0.45
7.60	0.00	0.00	0.00	10.20	0.48	0.00	0.48
7.65	0.00	0.00	0.00	10.25	0.50	0.00	0.50
7.70	0.00	0.00	0.00	10.30	0.52	0.00	0.52
7.75	0.00	0.00	0.00	10.35	0.54	0.00	0.54

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.56	0.00	0.56	13.00	3.94	0.00	3.94
10.45	0.58	0.00	0.58	13.05	3.74	0.00	3.74
10.50	0.61	0.00	0.61	13.10	3.53	0.00	3.53
10.55	0.63	0.00	0.63	13.15	3.34	0.00	3.34
10.60	0.67	0.00	0.67	13.20	3.18	0.00	3.18
10.65	0.72	0.00	0.72	13.25	3.05	0.00	3.05
10.70	0.78	0.00	0.78	13.30	2.93	0.00	2.93
10.75	0.83	0.00	0.83	13.35	2.81	0.00	2.81
10.80	0.90	0.00	0.90	13.40	2.70	0.00	2.70
10.85	0.96	0.00	0.96	13.45	2.59	0.00	2.59
10.90	1.03	0.00	1.03	13.50	2.47	0.00	2.47
10.95	1.09	0.00	1.09	13.55	2.36	0.00	2.36
11.00	1.17	0.00	1.17	13.60	2.25	0.00	2.25
11.05	1.25	0.00	1.25	13.65	2.15	0.00	2.15
11.10	1.35	0.00	1.35	13.70	2.08	0.00	2.08
11.15	1.46	0.00	1.46	13.75	2.03	0.00	2.03
11.20	1.59	0.00	1.59	13.80	1.99	0.00	1.99
11.25	1.73	0.00	1.73	13.85	1.96	0.00	1.96
11.30	1.87	0.00	1.87	13.90	1.93	0.00	1.93
11.35	2.02	0.00	2.02	13.95	1.90	0.00	1.90
11.40	2.18	0.00	2.18	14.00	1.87	0.00	1.87
11.45	2.34	0.00	2.34	14.05	1.84	0.00	1.84
11.50	2.49	0.00	2.49	14.10	1.81	0.00	1.81
11.55	2.72	0.00	2.72	14.15	1.78	0.00	1.78
11.60	3.26	0.00	3.26	14.20	1.76	0.00	1.76
11.65	3.93	0.00	3.93	14.25	1.73	0.00	1.73
11.70	4.44	0.00	4.44	14.30	1.70	0.00	1.70
11.75	4.91	0.00	4.91	14.35	1.67	0.00	1.67
11.80	5.71	0.00	5.71	14.40	1.64	0.00	1.64
11.85	6.79	0.00	6.79	14.45	1.61	0.00	1.61
11.90	8.27	0.00	8.27	14.50	1.58	0.00	1.58
11.95	10.27	0.00	10.27	14.55	1.55	0.00	1.55
12.00	13.73	0.00	13.73	14.60	1.52	0.00	1.52
12.05	18.47	0.00	18.47	14.65	1.49	0.00	1.49
12.10	25.42	0.00	25.42	14.70	1.46	0.00	1.46
12.15	31.52	0.00	31.52	14.75	1.43	0.00	1.43
12.20	29.09	0.00	29.09	14.80	1.40	0.00	1.40
12.25	22.05	0.00	22.05	14.85	1.37	0.00	1.37
12.30	16.81	0.00	16.81	14.90	1.34	0.00	1.34
12.35	13.55	0.00	13.55	14.95	1.31	0.00	1.31
12.40	11.23	0.00	11.23	15.00	1.28	0.00	1.28
12.45	9.57	0.00	9.57	15.05	1.25	0.00	1.25
12.50	8.64	0.00	8.64	15.10	1.22	0.00	1.22
12.55	8.02	0.00	8.02	15.15	1.19	0.00	1.19
12.60	7.08	0.00	7.08	15.20	1.17	0.00	1.17
12.65	6.05	0.00	6.05	15.25	1.16	0.00	1.16
12.70	5.41	0.00	5.41	15.30	1.15	0.00	1.15
12.75	5.05	0.00	5.05	15.35	1.14	0.00	1.14
12.80	4.79	0.00	4.79	15.40	1.13	0.00	1.13
12.85	4.56	0.00	4.56	15.45	1.12	0.00	1.12
12.90	4.35	0.00	4.35	15.50	1.12	0.00	1.12
12.95	4.15	0.00	4.15	15.55	1.11	0.00	1.11

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.10	0.00	1.10	18.20	0.69	0.00	0.69
15.65	1.09	0.00	1.09	18.25	0.68	0.00	0.68
15.70	1.09	0.00	1.09	18.30	0.68	0.00	0.68
15.75	1.08	0.00	1.08	18.35	0.68	0.00	0.68
15.80	1.07	0.00	1.07	18.40	0.68	0.00	0.68
15.85	1.06	0.00	1.06	18.45	0.67	0.00	0.67
15.90	1.05	0.00	1.05	18.50	0.67	0.00	0.67
15.95	1.05	0.00	1.05	18.55	0.67	0.00	0.67
16.00	1.04	0.00	1.04	18.60	0.67	0.00	0.67
16.05	1.03	0.00	1.03	18.65	0.67	0.00	0.67
16.10	1.02	0.00	1.02	18.70	0.66	0.00	0.66
16.15	1.01	0.00	1.01	18.75	0.66	0.00	0.66
16.20	1.01	0.00	1.01	18.80	0.66	0.00	0.66
16.25	1.00	0.00	1.00	18.85	0.66	0.00	0.66
16.30	0.99	0.00	0.99	18.90	0.66	0.00	0.66
16.35	0.98	0.00	0.98	18.95	0.65	0.00	0.65
16.40	0.97	0.00	0.97	19.00	0.65	0.00	0.65
16.45	0.97	0.00	0.97	19.05	0.65	0.00	0.65
16.50	0.96	0.00	0.96	19.10	0.65	0.00	0.65
16.55	0.95	0.00	0.95	19.15	0.65	0.00	0.65
16.60	0.94	0.00	0.94	19.20	0.64	0.00	0.64
16.65	0.93	0.00	0.93	19.25	0.64	0.00	0.64
16.70	0.93	0.00	0.93	19.30	0.64	0.00	0.64
16.75	0.92	0.00	0.92	19.35	0.64	0.00	0.64
16.80	0.91	0.00	0.91	19.40	0.64	0.00	0.64
16.85	0.90	0.00	0.90	19.45	0.63	0.00	0.63
16.90	0.89	0.00	0.89	19.50	0.63	0.00	0.63
16.95	0.89	0.00	0.89	19.55	0.63	0.00	0.63
17.00	0.88	0.00	0.88	19.60	0.63	0.00	0.63
17.05	0.87	0.00	0.87	19.65	0.63	0.00	0.63
17.10	0.86	0.00	0.86	19.70	0.62	0.00	0.62
17.15	0.85	0.00	0.85	19.75	0.62	0.00	0.62
17.20	0.85	0.00	0.85	19.80	0.62	0.00	0.62
17.25	0.84	0.00	0.84	19.85	0.62	0.00	0.62
17.30	0.83	0.00	0.83	19.90	0.62	0.00	0.62
17.35	0.82	0.00	0.82	19.95	0.61	0.00	0.61
17.40	0.81	0.00	0.81	20.00	0.61	0.00	0.61
17.45	0.80	0.00	0.80	20.05	0.61	0.00	0.61
17.50	0.80	0.00	0.80	20.10	0.61	0.00	0.61
17.55	0.79	0.00	0.79	20.15	0.61	0.00	0.61
17.60	0.78	0.00	0.78	20.20	0.60	0.00	0.60
17.65	0.77	0.00	0.77	20.25	0.60	0.00	0.60
17.70	0.76	0.00	0.76	20.30	0.60	0.00	0.60
17.75	0.76	0.00	0.76	20.35	0.60	0.00	0.60
17.80	0.75	0.00	0.75	20.40	0.60	0.00	0.60
17.85	0.74	0.00	0.74	20.45	0.59	0.00	0.59
17.90	0.73	0.00	0.73	20.50	0.59	0.00	0.59
17.95	0.72	0.00	0.72	20.55	0.59	0.00	0.59
18.00	0.71	0.00	0.71	20.60	0.59	0.00	0.59
18.05	0.71	0.00	0.71	20.65	0.59	0.00	0.59
18.10	0.70	0.00	0.70	20.70	0.59	0.00	0.59
18.15	0.69	0.00	0.69	20.75	0.58	0.00	0.58

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.58	0.00	0.58	23.40	0.47	0.00	0.47
20.85	0.58	0.00	0.58	23.45	0.47	0.00	0.47
20.90	0.58	0.00	0.58	23.50	0.47	0.00	0.47
20.95	0.57	0.00	0.57	23.55	0.47	0.00	0.47
21.00	0.57	0.00	0.57	23.60	0.46	0.00	0.46
21.05	0.57	0.00	0.57	23.65	0.46	0.00	0.46
21.10	0.57	0.00	0.57	23.70	0.46	0.00	0.46
21.15	0.56	0.00	0.56	23.75	0.46	0.00	0.46
21.20	0.56	0.00	0.56	23.80	0.46	0.00	0.46
21.25	0.56	0.00	0.56	23.85	0.45	0.00	0.45
21.30	0.56	0.00	0.56	23.90	0.45	0.00	0.45
21.35	0.56	0.00	0.56	23.95	0.45	0.00	0.45
21.40	0.56	0.00	0.56	24.00	0.48	0.00	0.48
21.45	0.55	0.00	0.55	24.05	0.49	0.00	0.49
21.50	0.55	0.00	0.55	24.10	0.36	0.00	0.36
21.55	0.55	0.00	0.55	24.15	0.18	0.00	0.18
21.60	0.55	0.00	0.55	24.20	0.08	0.00	0.08
21.65	0.54	0.00	0.54	24.25	0.03	0.00	0.03
21.70	0.54	0.00	0.54	24.30	0.01	0.00	0.01
21.75	0.54	0.00	0.54	24.35	0.01	0.00	0.01
21.80	0.54	0.00	0.54	24.40	0.00	0.00	0.00
21.85	0.54	0.00	0.54	24.45	0.00	0.00	0.00
21.90	0.54	0.00	0.54	24.50	0.00	0.00	0.00
21.95	0.53	0.00	0.53	24.55	0.00	0.00	0.00
22.00	0.53	0.00	0.53	24.60	0.00	0.00	0.00
22.05	0.53	0.00	0.53	24.65	0.00	0.00	0.00
22.10	0.53	0.00	0.53	24.70	0.00	0.00	0.00
22.15	0.52	0.00	0.52	24.75	0.00	0.00	0.00
22.20	0.52	0.00	0.52	24.80	0.00	0.00	0.00
22.25	0.52	0.00	0.52	24.85	0.00	0.00	0.00
22.30	0.52	0.00	0.52	24.90	0.00	0.00	0.00
22.35	0.52	0.00	0.52	24.95	0.00	0.00	0.00
22.40	0.51	0.00	0.51	25.00	0.00	0.00	0.00
22.45	0.51	0.00	0.51	25.05	0.00	0.00	0.00
22.50	0.51	0.00	0.51	25.10	0.00	0.00	0.00
22.55	0.51	0.00	0.51	25.15	0.00	0.00	0.00
22.60	0.51	0.00	0.51	25.20	0.00	0.00	0.00
22.65	0.51	0.00	0.51	25.25	0.00	0.00	0.00
22.70	0.50	0.00	0.50	25.30	0.00	0.00	0.00
22.75	0.50	0.00	0.50	25.35	0.00	0.00	0.00
22.80	0.50	0.00	0.50	25.40	0.00	0.00	0.00
22.85	0.49	0.00	0.49	25.45	0.00	0.00	0.00
22.90	0.49	0.00	0.49	25.50	0.00	0.00	0.00
22.95	0.49	0.00	0.49	25.55	0.00	0.00	0.00
23.00	0.49	0.00	0.49	25.60	0.00	0.00	0.00
23.05	0.49	0.00	0.49	25.65	0.00	0.00	0.00
23.10	0.49	0.00	0.49	25.70	0.00	0.00	0.00
23.15	0.48	0.00	0.48	25.75	0.00	0.00	0.00
23.20	0.48	0.00	0.48	25.80	0.00	0.00	0.00
23.25	0.48	0.00	0.48	25.85	0.00	0.00	0.00
23.30	0.48	0.00	0.48	25.90	0.00	0.00	0.00
23.35	0.47	0.00	0.47	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

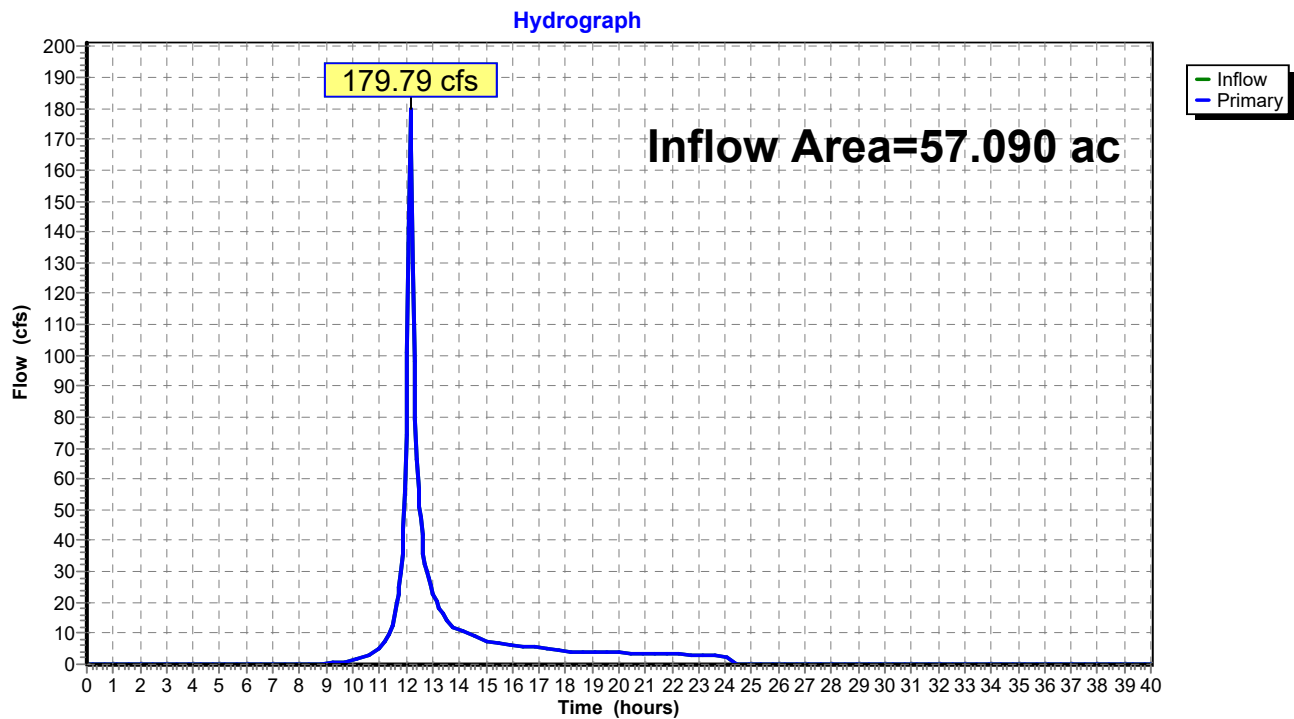
Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 2.74" for Future 10 yr event
Inflow = 179.79 cfs @ 12.16 hrs, Volume= 13.018 af
Primary = 179.79 cfs @ 12.16 hrs, Volume= 13.018 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.04	0.00	0.04
0.20	0.00	0.00	0.00	2.80	0.04	0.00	0.04
0.25	0.00	0.00	0.00	2.85	0.04	0.00	0.04
0.30	0.00	0.00	0.00	2.90	0.04	0.00	0.04
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.01	0.00	0.01	3.60	0.05	0.00	0.05
1.05	0.01	0.00	0.01	3.65	0.05	0.00	0.05
1.10	0.01	0.00	0.01	3.70	0.05	0.00	0.05
1.15	0.01	0.00	0.01	3.75	0.05	0.00	0.05
1.20	0.01	0.00	0.01	3.80	0.05	0.00	0.05
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.02	0.00	0.02	4.00	0.05	0.00	0.05
1.45	0.02	0.00	0.02	4.05	0.05	0.00	0.05
1.50	0.02	0.00	0.02	4.10	0.05	0.00	0.05
1.55	0.02	0.00	0.02	4.15	0.05	0.00	0.05
1.60	0.02	0.00	0.02	4.20	0.05	0.00	0.05
1.65	0.02	0.00	0.02	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.03	0.00	0.03	4.55	0.05	0.00	0.05
2.00	0.03	0.00	0.03	4.60	0.05	0.00	0.05
2.05	0.03	0.00	0.03	4.65	0.05	0.00	0.05
2.10	0.03	0.00	0.03	4.70	0.05	0.00	0.05
2.15	0.03	0.00	0.03	4.75	0.05	0.00	0.05
2.20	0.03	0.00	0.03	4.80	0.06	0.00	0.06
2.25	0.03	0.00	0.03	4.85	0.06	0.00	0.06
2.30	0.03	0.00	0.03	4.90	0.06	0.00	0.06
2.35	0.03	0.00	0.03	4.95	0.06	0.00	0.06
2.40	0.03	0.00	0.03	5.00	0.06	0.00	0.06
2.45	0.03	0.00	0.03	5.05	0.06	0.00	0.06
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.10	0.00	0.10
5.25	0.06	0.00	0.06	7.85	0.10	0.00	0.10
5.30	0.06	0.00	0.06	7.90	0.10	0.00	0.10
5.35	0.06	0.00	0.06	7.95	0.10	0.00	0.10
5.40	0.06	0.00	0.06	8.00	0.10	0.00	0.10
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.11	0.00	0.11
5.80	0.06	0.00	0.06	8.40	0.11	0.00	0.11
5.85	0.06	0.00	0.06	8.45	0.11	0.00	0.11
5.90	0.06	0.00	0.06	8.50	0.11	0.00	0.11
5.95	0.06	0.00	0.06	8.55	0.11	0.00	0.11
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.07	0.00	0.07	8.75	0.11	0.00	0.11
6.20	0.07	0.00	0.07	8.80	0.11	0.00	0.11
6.25	0.07	0.00	0.07	8.85	0.12	0.00	0.12
6.30	0.07	0.00	0.07	8.90	0.12	0.00	0.12
6.35	0.07	0.00	0.07	8.95	0.13	0.00	0.13
6.40	0.07	0.00	0.07	9.00	0.14	0.00	0.14
6.45	0.07	0.00	0.07	9.05	0.16	0.00	0.16
6.50	0.07	0.00	0.07	9.10	0.18	0.00	0.18
6.55	0.07	0.00	0.07	9.15	0.20	0.00	0.20
6.60	0.07	0.00	0.07	9.20	0.24	0.00	0.24
6.65	0.07	0.00	0.07	9.25	0.28	0.00	0.28
6.70	0.08	0.00	0.08	9.30	0.33	0.00	0.33
6.75	0.08	0.00	0.08	9.35	0.38	0.00	0.38
6.80	0.08	0.00	0.08	9.40	0.43	0.00	0.43
6.85	0.08	0.00	0.08	9.45	0.49	0.00	0.49
6.90	0.08	0.00	0.08	9.50	0.55	0.00	0.55
6.95	0.08	0.00	0.08	9.55	0.62	0.00	0.62
7.00	0.08	0.00	0.08	9.60	0.69	0.00	0.69
7.05	0.08	0.00	0.08	9.65	0.76	0.00	0.76
7.10	0.08	0.00	0.08	9.70	0.83	0.00	0.83
7.15	0.08	0.00	0.08	9.75	0.91	0.00	0.91
7.20	0.08	0.00	0.08	9.80	0.99	0.00	0.99
7.25	0.09	0.00	0.09	9.85	1.07	0.00	1.07
7.30	0.09	0.00	0.09	9.90	1.16	0.00	1.16
7.35	0.09	0.00	0.09	9.95	1.24	0.00	1.24
7.40	0.09	0.00	0.09	10.00	1.34	0.00	1.34
7.45	0.09	0.00	0.09	10.05	1.43	0.00	1.43
7.50	0.09	0.00	0.09	10.10	1.53	0.00	1.53
7.55	0.09	0.00	0.09	10.15	1.63	0.00	1.63
7.60	0.09	0.00	0.09	10.20	1.74	0.00	1.74
7.65	0.09	0.00	0.09	10.25	1.85	0.00	1.85
7.70	0.09	0.00	0.09	10.30	1.96	0.00	1.96
7.75	0.09	0.00	0.09	10.35	2.07	0.00	2.07

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.19	0.00	2.19	13.00	23.50	0.00	23.50
10.45	2.31	0.00	2.31	13.05	22.31	0.00	22.31
10.50	2.44	0.00	2.44	13.10	21.08	0.00	21.08
10.55	2.58	0.00	2.58	13.15	19.93	0.00	19.93
10.60	2.77	0.00	2.77	13.20	19.00	0.00	19.00
10.65	3.00	0.00	3.00	13.25	18.23	0.00	18.23
10.70	3.27	0.00	3.27	13.30	17.52	0.00	17.52
10.75	3.55	0.00	3.55	13.35	16.85	0.00	16.85
10.80	3.85	0.00	3.85	13.40	16.17	0.00	16.17
10.85	4.17	0.00	4.17	13.45	15.51	0.00	15.51
10.90	4.51	0.00	4.51	13.50	14.83	0.00	14.83
10.95	4.86	0.00	4.86	13.55	14.17	0.00	14.17
11.00	5.24	0.00	5.24	13.60	13.49	0.00	13.49
11.05	5.65	0.00	5.65	13.65	12.88	0.00	12.88
11.10	6.17	0.00	6.17	13.70	12.46	0.00	12.46
11.15	6.76	0.00	6.76	13.75	12.18	0.00	12.18
11.20	7.42	0.00	7.42	13.80	11.95	0.00	11.95
11.25	8.12	0.00	8.12	13.85	11.77	0.00	11.77
11.30	8.88	0.00	8.88	13.90	11.59	0.00	11.59
11.35	9.67	0.00	9.67	13.95	11.43	0.00	11.43
11.40	10.52	0.00	10.52	14.00	11.25	0.00	11.25
11.45	11.39	0.00	11.39	14.05	11.08	0.00	11.08
11.50	12.27	0.00	12.27	14.10	10.90	0.00	10.90
11.55	13.49	0.00	13.49	14.15	10.73	0.00	10.73
11.60	16.27	0.00	16.27	14.20	10.56	0.00	10.56
11.65	19.78	0.00	19.78	14.25	10.40	0.00	10.40
11.70	22.60	0.00	22.60	14.30	10.22	0.00	10.22
11.75	25.22	0.00	25.22	14.35	10.04	0.00	10.04
11.80	29.59	0.00	29.59	14.40	9.86	0.00	9.86
11.85	35.53	0.00	35.53	14.45	9.68	0.00	9.68
11.90	43.72	0.00	43.72	14.50	9.51	0.00	9.51
11.95	54.87	0.00	54.87	14.55	9.34	0.00	9.34
12.00	74.16	0.00	74.16	14.60	9.16	0.00	9.16
12.05	101.12	0.00	101.12	14.65	8.98	0.00	8.98
12.10	141.22	0.00	141.22	14.70	8.79	0.00	8.79
12.15	178.05	0.00	178.05	14.75	8.61	0.00	8.61
12.20	167.03	0.00	167.03	14.80	8.44	0.00	8.44
12.25	128.05	0.00	128.05	14.85	8.27	0.00	8.27
12.30	98.22	0.00	98.22	14.90	8.08	0.00	8.08
12.35	79.49	0.00	79.49	14.95	7.90	0.00	7.90
12.40	66.17	0.00	66.17	15.00	7.71	0.00	7.71
12.45	56.54	0.00	56.54	15.05	7.53	0.00	7.53
12.50	51.06	0.00	51.06	15.10	7.35	0.00	7.35
12.55	47.53	0.00	47.53	15.15	7.19	0.00	7.19
12.60	42.02	0.00	42.02	15.20	7.07	0.00	7.07
12.65	35.98	0.00	35.98	15.25	6.99	0.00	6.99
12.70	32.17	0.00	32.17	15.30	6.93	0.00	6.93
12.75	30.05	0.00	30.05	15.35	6.88	0.00	6.88
12.80	28.48	0.00	28.48	15.40	6.84	0.00	6.84
12.85	27.17	0.00	27.17	15.45	6.80	0.00	6.80
12.90	25.91	0.00	25.91	15.50	6.75	0.00	6.75
12.95	24.72	0.00	24.72	15.55	6.70	0.00	6.70

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.65	0.00	6.65	18.20	4.16	0.00	4.16
15.65	6.61	0.00	6.61	18.25	4.15	0.00	4.15
15.70	6.56	0.00	6.56	18.30	4.13	0.00	4.13
15.75	6.51	0.00	6.51	18.35	4.12	0.00	4.12
15.80	6.46	0.00	6.46	18.40	4.10	0.00	4.10
15.85	6.41	0.00	6.41	18.45	4.09	0.00	4.09
15.90	6.37	0.00	6.37	18.50	4.08	0.00	4.08
15.95	6.33	0.00	6.33	18.55	4.07	0.00	4.07
16.00	6.28	0.00	6.28	18.60	4.06	0.00	4.06
16.05	6.23	0.00	6.23	18.65	4.05	0.00	4.05
16.10	6.18	0.00	6.18	18.70	4.03	0.00	4.03
16.15	6.14	0.00	6.14	18.75	4.02	0.00	4.02
16.20	6.10	0.00	6.10	18.80	4.01	0.00	4.01
16.25	6.05	0.00	6.05	18.85	4.00	0.00	4.00
16.30	6.00	0.00	6.00	18.90	3.99	0.00	3.99
16.35	5.94	0.00	5.94	18.95	3.98	0.00	3.98
16.40	5.90	0.00	5.90	19.00	3.96	0.00	3.96
16.45	5.86	0.00	5.86	19.05	3.95	0.00	3.95
16.50	5.80	0.00	5.80	19.10	3.94	0.00	3.94
16.55	5.75	0.00	5.75	19.15	3.93	0.00	3.93
16.60	5.71	0.00	5.71	19.20	3.92	0.00	3.92
16.65	5.66	0.00	5.66	19.25	3.90	0.00	3.90
16.70	5.62	0.00	5.62	19.30	3.89	0.00	3.89
16.75	5.57	0.00	5.57	19.35	3.88	0.00	3.88
16.80	5.52	0.00	5.52	19.40	3.87	0.00	3.87
16.85	5.46	0.00	5.46	19.45	3.86	0.00	3.86
16.90	5.42	0.00	5.42	19.50	3.84	0.00	3.84
16.95	5.37	0.00	5.37	19.55	3.83	0.00	3.83
17.00	5.33	0.00	5.33	19.60	3.82	0.00	3.82
17.05	5.28	0.00	5.28	19.65	3.81	0.00	3.81
17.10	5.23	0.00	5.23	19.70	3.80	0.00	3.80
17.15	5.18	0.00	5.18	19.75	3.79	0.00	3.79
17.20	5.14	0.00	5.14	19.80	3.78	0.00	3.78
17.25	5.09	0.00	5.09	19.85	3.78	0.00	3.78
17.30	5.03	0.00	5.03	19.90	3.76	0.00	3.76
17.35	4.97	0.00	4.97	19.95	3.74	0.00	3.74
17.40	4.92	0.00	4.92	20.00	3.73	0.00	3.73
17.45	4.88	0.00	4.88	20.05	3.71	0.00	3.71
17.50	4.84	0.00	4.84	20.10	3.70	0.00	3.70
17.55	4.79	0.00	4.79	20.15	3.69	0.00	3.69
17.60	4.74	0.00	4.74	20.20	3.68	0.00	3.68
17.65	4.69	0.00	4.69	20.25	3.66	0.00	3.66
17.70	4.64	0.00	4.64	20.30	3.65	0.00	3.65
17.75	4.59	0.00	4.59	20.35	3.64	0.00	3.64
17.80	4.54	0.00	4.54	20.40	3.63	0.00	3.63
17.85	4.49	0.00	4.49	20.45	3.62	0.00	3.62
17.90	4.44	0.00	4.44	20.50	3.60	0.00	3.60
17.95	4.39	0.00	4.39	20.55	3.59	0.00	3.59
18.00	4.34	0.00	4.34	20.60	3.59	0.00	3.59
18.05	4.29	0.00	4.29	20.65	3.58	0.00	3.58
18.10	4.24	0.00	4.24	20.70	3.57	0.00	3.57
18.15	4.20	0.00	4.20	20.75	3.55	0.00	3.55

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.53	0.00	3.53	23.40	2.89	0.00	2.89
20.85	3.52	0.00	3.52	23.45	2.89	0.00	2.89
20.90	3.51	0.00	3.51	23.50	2.87	0.00	2.87
20.95	3.49	0.00	3.49	23.55	2.85	0.00	2.85
21.00	3.48	0.00	3.48	23.60	2.83	0.00	2.83
21.05	3.47	0.00	3.47	23.65	2.82	0.00	2.82
21.10	3.46	0.00	3.46	23.70	2.81	0.00	2.81
21.15	3.45	0.00	3.45	23.75	2.81	0.00	2.81
21.20	3.43	0.00	3.43	23.80	2.79	0.00	2.79
21.25	3.42	0.00	3.42	23.85	2.77	0.00	2.77
21.30	3.42	0.00	3.42	23.90	2.76	0.00	2.76
21.35	3.41	0.00	3.41	23.95	2.78	0.00	2.78
21.40	3.40	0.00	3.40	24.00	2.94	0.00	2.94
21.45	3.38	0.00	3.38	24.05	2.99	0.00	2.99
21.50	3.36	0.00	3.36	24.10	2.24	0.00	2.24
21.55	3.35	0.00	3.35	24.15	1.15	0.00	1.15
21.60	3.33	0.00	3.33	24.20	0.50	0.00	0.50
21.65	3.32	0.00	3.32	24.25	0.22	0.00	0.22
21.70	3.31	0.00	3.31	24.30	0.09	0.00	0.09
21.75	3.30	0.00	3.30	24.35	0.04	0.00	0.04
21.80	3.29	0.00	3.29	24.40	0.02	0.00	0.02
21.85	3.29	0.00	3.29	24.45	0.00	0.00	0.00
21.90	3.27	0.00	3.27	24.50	0.00	0.00	0.00
21.95	3.25	0.00	3.25	24.55	0.00	0.00	0.00
22.00	3.24	0.00	3.24	24.60	0.00	0.00	0.00
22.05	3.22	0.00	3.22	24.65	0.00	0.00	0.00
22.10	3.21	0.00	3.21	24.70	0.00	0.00	0.00
22.15	3.20	0.00	3.20	24.75	0.00	0.00	0.00
22.20	3.19	0.00	3.19	24.80	0.00	0.00	0.00
22.25	3.19	0.00	3.19	24.85	0.00	0.00	0.00
22.30	3.17	0.00	3.17	24.90	0.00	0.00	0.00
22.35	3.15	0.00	3.15	24.95	0.00	0.00	0.00
22.40	3.14	0.00	3.14	25.00	0.00	0.00	0.00
22.45	3.12	0.00	3.12	25.05	0.00	0.00	0.00
22.50	3.11	0.00	3.11	25.10	0.00	0.00	0.00
22.55	3.10	0.00	3.10	25.15	0.00	0.00	0.00
22.60	3.09	0.00	3.09	25.20	0.00	0.00	0.00
22.65	3.09	0.00	3.09	25.25	0.00	0.00	0.00
22.70	3.07	0.00	3.07	25.30	0.00	0.00	0.00
22.75	3.05	0.00	3.05	25.35	0.00	0.00	0.00
22.80	3.04	0.00	3.04	25.40	0.00	0.00	0.00
22.85	3.02	0.00	3.02	25.45	0.00	0.00	0.00
22.90	3.01	0.00	3.01	25.50	0.00	0.00	0.00
22.95	3.00	0.00	3.00	25.55	0.00	0.00	0.00
23.00	2.99	0.00	2.99	25.60	0.00	0.00	0.00
23.05	2.99	0.00	2.99	25.65	0.00	0.00	0.00
23.10	2.97	0.00	2.97	25.70	0.00	0.00	0.00
23.15	2.95	0.00	2.95	25.75	0.00	0.00	0.00
23.20	2.94	0.00	2.94	25.80	0.00	0.00	0.00
23.25	2.92	0.00	2.92	25.85	0.00	0.00	0.00
23.30	2.91	0.00	2.91	25.90	0.00	0.00	0.00
23.35	2.90	0.00	2.90	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

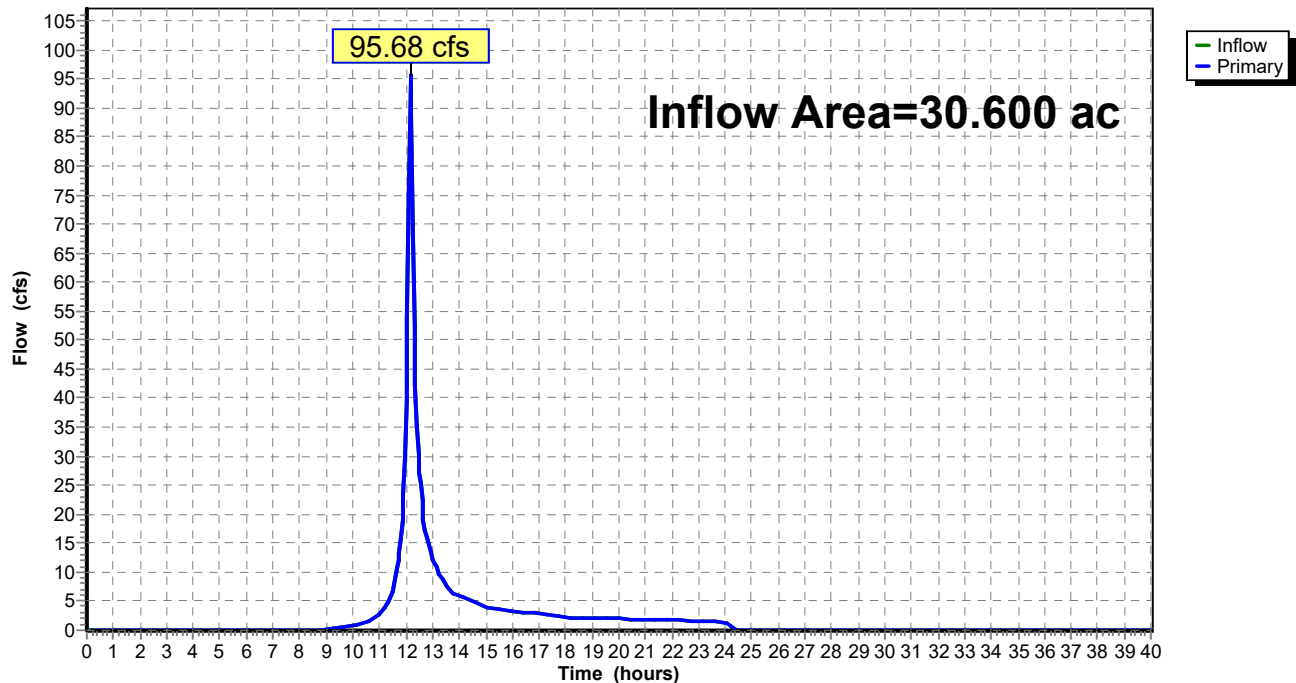
Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.73" for Future 10 yr event
 Inflow = 95.68 cfs @ 12.16 hrs, Volume= 6.956 af
 Primary = 95.68 cfs @ 12.16 hrs, Volume= 6.956 af, Atten= 0%, Lag= 0.0 min
 Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60

Hydrograph



Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.04	0.00	0.04
0.20	0.00	0.00	0.00	2.80	0.04	0.00	0.04
0.25	0.00	0.00	0.00	2.85	0.04	0.00	0.04
0.30	0.00	0.00	0.00	2.90	0.04	0.00	0.04
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.01	0.00	0.01	3.60	0.05	0.00	0.05
1.05	0.01	0.00	0.01	3.65	0.05	0.00	0.05
1.10	0.01	0.00	0.01	3.70	0.05	0.00	0.05
1.15	0.01	0.00	0.01	3.75	0.05	0.00	0.05
1.20	0.01	0.00	0.01	3.80	0.05	0.00	0.05
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.02	0.00	0.02	4.00	0.05	0.00	0.05
1.45	0.02	0.00	0.02	4.05	0.05	0.00	0.05
1.50	0.02	0.00	0.02	4.10	0.05	0.00	0.05
1.55	0.02	0.00	0.02	4.15	0.05	0.00	0.05
1.60	0.02	0.00	0.02	4.20	0.05	0.00	0.05
1.65	0.02	0.00	0.02	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.03	0.00	0.03	4.55	0.05	0.00	0.05
2.00	0.03	0.00	0.03	4.60	0.05	0.00	0.05
2.05	0.03	0.00	0.03	4.65	0.05	0.00	0.05
2.10	0.03	0.00	0.03	4.70	0.05	0.00	0.05
2.15	0.03	0.00	0.03	4.75	0.05	0.00	0.05
2.20	0.03	0.00	0.03	4.80	0.06	0.00	0.06
2.25	0.03	0.00	0.03	4.85	0.06	0.00	0.06
2.30	0.03	0.00	0.03	4.90	0.06	0.00	0.06
2.35	0.03	0.00	0.03	4.95	0.06	0.00	0.06
2.40	0.03	0.00	0.03	5.00	0.06	0.00	0.06
2.45	0.03	0.00	0.03	5.05	0.06	0.00	0.06
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.10	0.00	0.10
5.25	0.06	0.00	0.06	7.85	0.10	0.00	0.10
5.30	0.06	0.00	0.06	7.90	0.10	0.00	0.10
5.35	0.06	0.00	0.06	7.95	0.10	0.00	0.10
5.40	0.06	0.00	0.06	8.00	0.10	0.00	0.10
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.11	0.00	0.11
5.80	0.06	0.00	0.06	8.40	0.11	0.00	0.11
5.85	0.06	0.00	0.06	8.45	0.11	0.00	0.11
5.90	0.06	0.00	0.06	8.50	0.11	0.00	0.11
5.95	0.06	0.00	0.06	8.55	0.11	0.00	0.11
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.07	0.00	0.07	8.75	0.11	0.00	0.11
6.20	0.07	0.00	0.07	8.80	0.11	0.00	0.11
6.25	0.07	0.00	0.07	8.85	0.12	0.00	0.12
6.30	0.07	0.00	0.07	8.90	0.12	0.00	0.12
6.35	0.07	0.00	0.07	8.95	0.12	0.00	0.12
6.40	0.07	0.00	0.07	9.00	0.12	0.00	0.12
6.45	0.07	0.00	0.07	9.05	0.12	0.00	0.12
6.50	0.07	0.00	0.07	9.10	0.12	0.00	0.12
6.55	0.07	0.00	0.07	9.15	0.13	0.00	0.13
6.60	0.07	0.00	0.07	9.20	0.14	0.00	0.14
6.65	0.07	0.00	0.07	9.25	0.16	0.00	0.16
6.70	0.08	0.00	0.08	9.30	0.19	0.00	0.19
6.75	0.08	0.00	0.08	9.35	0.21	0.00	0.21
6.80	0.08	0.00	0.08	9.40	0.24	0.00	0.24
6.85	0.08	0.00	0.08	9.45	0.27	0.00	0.27
6.90	0.08	0.00	0.08	9.50	0.31	0.00	0.31
6.95	0.08	0.00	0.08	9.55	0.34	0.00	0.34
7.00	0.08	0.00	0.08	9.60	0.38	0.00	0.38
7.05	0.08	0.00	0.08	9.65	0.41	0.00	0.41
7.10	0.08	0.00	0.08	9.70	0.45	0.00	0.45
7.15	0.08	0.00	0.08	9.75	0.49	0.00	0.49
7.20	0.08	0.00	0.08	9.80	0.54	0.00	0.54
7.25	0.09	0.00	0.09	9.85	0.58	0.00	0.58
7.30	0.09	0.00	0.09	9.90	0.63	0.00	0.63
7.35	0.09	0.00	0.09	9.95	0.67	0.00	0.67
7.40	0.09	0.00	0.09	10.00	0.72	0.00	0.72
7.45	0.09	0.00	0.09	10.05	0.77	0.00	0.77
7.50	0.09	0.00	0.09	10.10	0.82	0.00	0.82
7.55	0.09	0.00	0.09	10.15	0.88	0.00	0.88
7.60	0.09	0.00	0.09	10.20	0.93	0.00	0.93
7.65	0.09	0.00	0.09	10.25	0.99	0.00	0.99
7.70	0.09	0.00	0.09	10.30	1.05	0.00	1.05
7.75	0.09	0.00	0.09	10.35	1.11	0.00	1.11

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.17	0.00	1.17	13.00	12.53	0.00	12.53
10.45	1.24	0.00	1.24	13.05	11.89	0.00	11.89
10.50	1.31	0.00	1.31	13.10	11.24	0.00	11.24
10.55	1.38	0.00	1.38	13.15	10.62	0.00	10.62
10.60	1.48	0.00	1.48	13.20	10.13	0.00	10.13
10.65	1.61	0.00	1.61	13.25	9.72	0.00	9.72
10.70	1.75	0.00	1.75	13.30	9.34	0.00	9.34
10.75	1.90	0.00	1.90	13.35	8.98	0.00	8.98
10.80	2.06	0.00	2.06	13.40	8.62	0.00	8.62
10.85	2.23	0.00	2.23	13.45	8.27	0.00	8.27
10.90	2.41	0.00	2.41	13.50	7.91	0.00	7.91
10.95	2.59	0.00	2.59	13.55	7.55	0.00	7.55
11.00	2.79	0.00	2.79	13.60	7.19	0.00	7.19
11.05	3.01	0.00	3.01	13.65	6.87	0.00	6.87
11.10	3.29	0.00	3.29	13.70	6.64	0.00	6.64
11.15	3.60	0.00	3.60	13.75	6.49	0.00	6.49
11.20	3.96	0.00	3.96	13.80	6.37	0.00	6.37
11.25	4.33	0.00	4.33	13.85	6.27	0.00	6.27
11.30	4.73	0.00	4.73	13.90	6.18	0.00	6.18
11.35	5.15	0.00	5.15	13.95	6.09	0.00	6.09
11.40	5.60	0.00	5.60	14.00	6.00	0.00	6.00
11.45	6.06	0.00	6.06	14.05	5.91	0.00	5.91
11.50	6.53	0.00	6.53	14.10	5.81	0.00	5.81
11.55	7.17	0.00	7.17	14.15	5.72	0.00	5.72
11.60	8.65	0.00	8.65	14.20	5.63	0.00	5.63
11.65	10.52	0.00	10.52	14.25	5.54	0.00	5.54
11.70	12.02	0.00	12.02	14.30	5.45	0.00	5.45
11.75	13.41	0.00	13.41	14.35	5.35	0.00	5.35
11.80	15.74	0.00	15.74	14.40	5.26	0.00	5.26
11.85	18.89	0.00	18.89	14.45	5.16	0.00	5.16
11.90	23.25	0.00	23.25	14.50	5.07	0.00	5.07
11.95	29.18	0.00	29.18	14.55	4.98	0.00	4.98
12.00	39.44	0.00	39.44	14.60	4.88	0.00	4.88
12.05	53.79	0.00	53.79	14.65	4.79	0.00	4.79
12.10	75.13	0.00	75.13	14.70	4.69	0.00	4.69
12.15	94.75	0.00	94.75	14.75	4.59	0.00	4.59
12.20	88.90	0.00	88.90	14.80	4.50	0.00	4.50
12.25	68.17	0.00	68.17	14.85	4.41	0.00	4.41
12.30	52.30	0.00	52.30	14.90	4.31	0.00	4.31
12.35	42.33	0.00	42.33	14.95	4.21	0.00	4.21
12.40	35.24	0.00	35.24	15.00	4.11	0.00	4.11
12.45	30.12	0.00	30.12	15.05	4.01	0.00	4.01
12.50	27.20	0.00	27.20	15.10	3.92	0.00	3.92
12.55	25.32	0.00	25.32	15.15	3.83	0.00	3.83
12.60	22.39	0.00	22.39	15.20	3.77	0.00	3.77
12.65	19.17	0.00	19.17	15.25	3.73	0.00	3.73
12.70	17.14	0.00	17.14	15.30	3.70	0.00	3.70
12.75	16.01	0.00	16.01	15.35	3.67	0.00	3.67
12.80	15.18	0.00	15.18	15.40	3.65	0.00	3.65
12.85	14.48	0.00	14.48	15.45	3.62	0.00	3.62
12.90	13.81	0.00	13.81	15.50	3.60	0.00	3.60
12.95	13.17	0.00	13.17	15.55	3.57	0.00	3.57

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.55	0.00	3.55	18.20	2.22	0.00	2.22
15.65	3.53	0.00	3.53	18.25	2.21	0.00	2.21
15.70	3.50	0.00	3.50	18.30	2.20	0.00	2.20
15.75	3.47	0.00	3.47	18.35	2.20	0.00	2.20
15.80	3.44	0.00	3.44	18.40	2.19	0.00	2.19
15.85	3.42	0.00	3.42	18.45	2.18	0.00	2.18
15.90	3.40	0.00	3.40	18.50	2.18	0.00	2.18
15.95	3.38	0.00	3.38	18.55	2.17	0.00	2.17
16.00	3.35	0.00	3.35	18.60	2.16	0.00	2.16
16.05	3.32	0.00	3.32	18.65	2.16	0.00	2.16
16.10	3.30	0.00	3.30	18.70	2.15	0.00	2.15
16.15	3.28	0.00	3.28	18.75	2.15	0.00	2.15
16.20	3.25	0.00	3.25	18.80	2.14	0.00	2.14
16.25	3.23	0.00	3.23	18.85	2.13	0.00	2.13
16.30	3.20	0.00	3.20	18.90	2.13	0.00	2.13
16.35	3.17	0.00	3.17	18.95	2.12	0.00	2.12
16.40	3.15	0.00	3.15	19.00	2.11	0.00	2.11
16.45	3.12	0.00	3.12	19.05	2.11	0.00	2.11
16.50	3.10	0.00	3.10	19.10	2.10	0.00	2.10
16.55	3.07	0.00	3.07	19.15	2.10	0.00	2.10
16.60	3.04	0.00	3.04	19.20	2.09	0.00	2.09
16.65	3.02	0.00	3.02	19.25	2.08	0.00	2.08
16.70	3.00	0.00	3.00	19.30	2.08	0.00	2.08
16.75	2.97	0.00	2.97	19.35	2.07	0.00	2.07
16.80	2.94	0.00	2.94	19.40	2.06	0.00	2.06
16.85	2.91	0.00	2.91	19.45	2.06	0.00	2.06
16.90	2.89	0.00	2.89	19.50	2.05	0.00	2.05
16.95	2.87	0.00	2.87	19.55	2.05	0.00	2.05
17.00	2.84	0.00	2.84	19.60	2.04	0.00	2.04
17.05	2.82	0.00	2.82	19.65	2.03	0.00	2.03
17.10	2.79	0.00	2.79	19.70	2.03	0.00	2.03
17.15	2.77	0.00	2.77	19.75	2.02	0.00	2.02
17.20	2.74	0.00	2.74	19.80	2.02	0.00	2.02
17.25	2.71	0.00	2.71	19.85	2.02	0.00	2.02
17.30	2.68	0.00	2.68	19.90	2.01	0.00	2.01
17.35	2.65	0.00	2.65	19.95	2.00	0.00	2.00
17.40	2.63	0.00	2.63	20.00	1.99	0.00	1.99
17.45	2.60	0.00	2.60	20.05	1.98	0.00	1.98
17.50	2.58	0.00	2.58	20.10	1.98	0.00	1.98
17.55	2.56	0.00	2.56	20.15	1.97	0.00	1.97
17.60	2.53	0.00	2.53	20.20	1.96	0.00	1.96
17.65	2.50	0.00	2.50	20.25	1.96	0.00	1.96
17.70	2.48	0.00	2.48	20.30	1.95	0.00	1.95
17.75	2.45	0.00	2.45	20.35	1.94	0.00	1.94
17.80	2.42	0.00	2.42	20.40	1.94	0.00	1.94
17.85	2.40	0.00	2.40	20.45	1.93	0.00	1.93
17.90	2.37	0.00	2.37	20.50	1.92	0.00	1.92
17.95	2.34	0.00	2.34	20.55	1.92	0.00	1.92
18.00	2.32	0.00	2.32	20.60	1.91	0.00	1.91
18.05	2.29	0.00	2.29	20.65	1.91	0.00	1.91
18.10	2.26	0.00	2.26	20.70	1.90	0.00	1.90
18.15	2.24	0.00	2.24	20.75	1.89	0.00	1.89

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.89	0.00	1.89	23.40	1.54	0.00	1.54
20.85	1.88	0.00	1.88	23.45	1.54	0.00	1.54
20.90	1.87	0.00	1.87	23.50	1.53	0.00	1.53
20.95	1.86	0.00	1.86	23.55	1.52	0.00	1.52
21.00	1.86	0.00	1.86	23.60	1.51	0.00	1.51
21.05	1.85	0.00	1.85	23.65	1.51	0.00	1.51
21.10	1.84	0.00	1.84	23.70	1.50	0.00	1.50
21.15	1.84	0.00	1.84	23.75	1.50	0.00	1.50
21.20	1.83	0.00	1.83	23.80	1.49	0.00	1.49
21.25	1.83	0.00	1.83	23.85	1.48	0.00	1.48
21.30	1.82	0.00	1.82	23.90	1.47	0.00	1.47
21.35	1.82	0.00	1.82	23.95	1.48	0.00	1.48
21.40	1.81	0.00	1.81	24.00	1.57	0.00	1.57
21.45	1.80	0.00	1.80	24.05	1.60	0.00	1.60
21.50	1.79	0.00	1.79	24.10	1.19	0.00	1.19
21.55	1.79	0.00	1.79	24.15	0.61	0.00	0.61
21.60	1.78	0.00	1.78	24.20	0.27	0.00	0.27
21.65	1.77	0.00	1.77	24.25	0.12	0.00	0.12
21.70	1.77	0.00	1.77	24.30	0.05	0.00	0.05
21.75	1.76	0.00	1.76	24.35	0.02	0.00	0.02
21.80	1.76	0.00	1.76	24.40	0.01	0.00	0.01
21.85	1.75	0.00	1.75	24.45	0.00	0.00	0.00
21.90	1.75	0.00	1.75	24.50	0.00	0.00	0.00
21.95	1.74	0.00	1.74	24.55	0.00	0.00	0.00
22.00	1.73	0.00	1.73	24.60	0.00	0.00	0.00
22.05	1.72	0.00	1.72	24.65	0.00	0.00	0.00
22.10	1.71	0.00	1.71	24.70	0.00	0.00	0.00
22.15	1.71	0.00	1.71	24.75	0.00	0.00	0.00
22.20	1.70	0.00	1.70	24.80	0.00	0.00	0.00
22.25	1.70	0.00	1.70	24.85	0.00	0.00	0.00
22.30	1.69	0.00	1.69	24.90	0.00	0.00	0.00
22.35	1.68	0.00	1.68	24.95	0.00	0.00	0.00
22.40	1.67	0.00	1.67	25.00	0.00	0.00	0.00
22.45	1.67	0.00	1.67	25.05	0.00	0.00	0.00
22.50	1.66	0.00	1.66	25.10	0.00	0.00	0.00
22.55	1.65	0.00	1.65	25.15	0.00	0.00	0.00
22.60	1.65	0.00	1.65	25.20	0.00	0.00	0.00
22.65	1.65	0.00	1.65	25.25	0.00	0.00	0.00
22.70	1.64	0.00	1.64	25.30	0.00	0.00	0.00
22.75	1.63	0.00	1.63	25.35	0.00	0.00	0.00
22.80	1.62	0.00	1.62	25.40	0.00	0.00	0.00
22.85	1.61	0.00	1.61	25.45	0.00	0.00	0.00
22.90	1.61	0.00	1.61	25.50	0.00	0.00	0.00
22.95	1.60	0.00	1.60	25.55	0.00	0.00	0.00
23.00	1.60	0.00	1.60	25.60	0.00	0.00	0.00
23.05	1.59	0.00	1.59	25.65	0.00	0.00	0.00
23.10	1.59	0.00	1.59	25.70	0.00	0.00	0.00
23.15	1.58	0.00	1.58	25.75	0.00	0.00	0.00
23.20	1.57	0.00	1.57	25.80	0.00	0.00	0.00
23.25	1.56	0.00	1.56	25.85	0.00	0.00	0.00
23.30	1.55	0.00	1.55	25.90	0.00	0.00	0.00
23.35	1.55	0.00	1.55	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

Runoff = 50.65 cfs @ 12.16 hrs, Volume= 4.111 af, Depth=10.06"
Routed to Link XDA-1O : XDA-1O

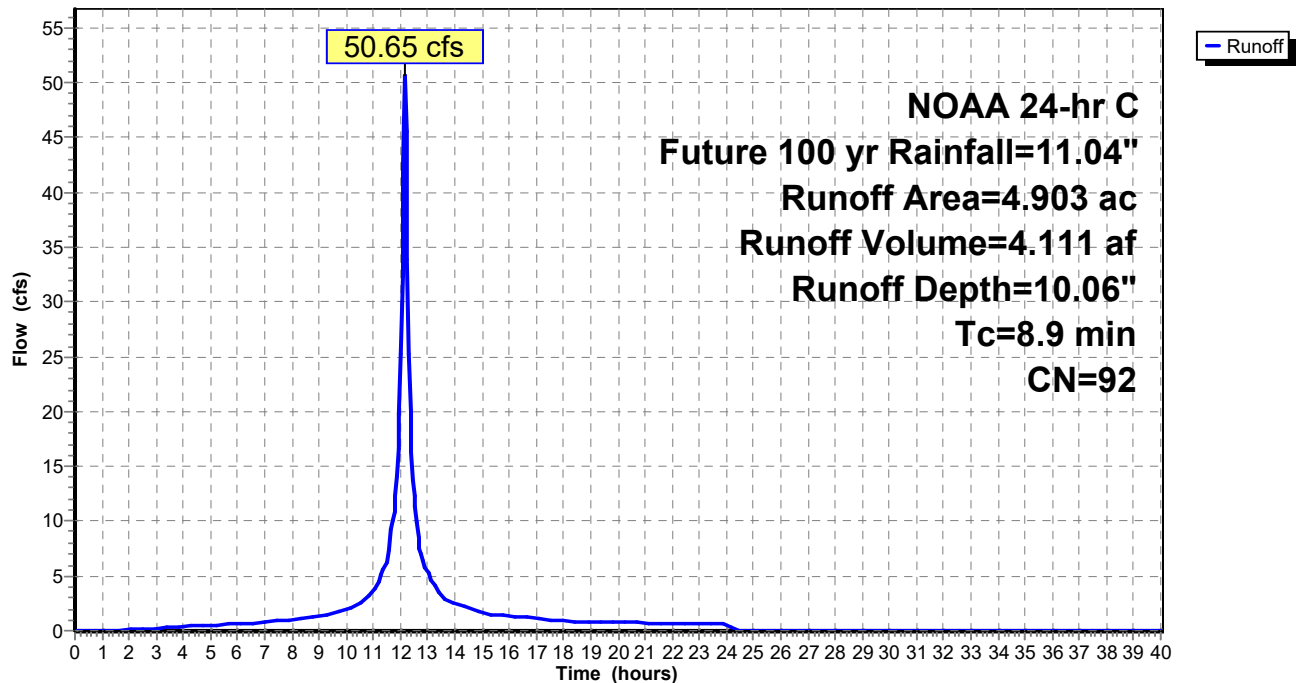
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1I: XDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.02	0.18
0.05	0.01	0.00	0.00	2.65	0.34	0.03	0.18
0.10	0.01	0.00	0.00	2.70	0.35	0.03	0.19
0.15	0.02	0.00	0.00	2.75	0.35	0.03	0.20
0.20	0.03	0.00	0.00	2.80	0.36	0.03	0.21
0.25	0.03	0.00	0.00	2.85	0.37	0.04	0.22
0.30	0.04	0.00	0.00	2.90	0.38	0.04	0.22
0.35	0.04	0.00	0.00	2.95	0.38	0.04	0.23
0.40	0.05	0.00	0.00	3.00	0.39	0.04	0.24
0.45	0.05	0.00	0.00	3.05	0.40	0.05	0.24
0.50	0.06	0.00	0.00	3.10	0.40	0.05	0.25
0.55	0.07	0.00	0.00	3.15	0.41	0.05	0.26
0.60	0.07	0.00	0.00	3.20	0.42	0.05	0.27
0.65	0.08	0.00	0.00	3.25	0.43	0.06	0.27
0.70	0.08	0.00	0.00	3.30	0.43	0.06	0.28
0.75	0.09	0.00	0.00	3.35	0.44	0.06	0.29
0.80	0.10	0.00	0.00	3.40	0.45	0.07	0.29
0.85	0.10	0.00	0.00	3.45	0.46	0.07	0.30
0.90	0.11	0.00	0.00	3.50	0.46	0.07	0.31
0.95	0.11	0.00	0.00	3.55	0.47	0.08	0.32
1.00	0.12	0.00	0.00	3.60	0.48	0.08	0.32
1.05	0.13	0.00	0.00	3.65	0.49	0.08	0.33
1.10	0.13	0.00	0.00	3.70	0.49	0.09	0.33
1.15	0.14	0.00	0.00	3.75	0.50	0.09	0.34
1.20	0.15	0.00	0.00	3.80	0.51	0.09	0.35
1.25	0.15	0.00	0.00	3.85	0.52	0.10	0.35
1.30	0.16	0.00	0.00	3.90	0.52	0.10	0.36
1.35	0.16	0.00	0.00	3.95	0.53	0.10	0.37
1.40	0.17	0.00	0.00	4.00	0.54	0.11	0.37
1.45	0.18	0.00	0.00	4.05	0.55	0.11	0.38
1.50	0.18	0.00	0.00	4.10	0.56	0.12	0.39
1.55	0.19	0.00	0.00	4.15	0.56	0.12	0.39
1.60	0.20	0.00	0.01	4.20	0.57	0.12	0.40
1.65	0.20	0.00	0.02	4.25	0.58	0.13	0.40
1.70	0.21	0.00	0.03	4.30	0.59	0.13	0.41
1.75	0.22	0.00	0.03	4.35	0.60	0.14	0.42
1.80	0.22	0.00	0.04	4.40	0.60	0.14	0.42
1.85	0.23	0.00	0.05	4.45	0.61	0.15	0.43
1.90	0.24	0.00	0.06	4.50	0.62	0.15	0.43
1.95	0.24	0.01	0.07	4.55	0.63	0.16	0.44
2.00	0.25	0.01	0.08	4.60	0.64	0.16	0.45
2.05	0.26	0.01	0.09	4.65	0.64	0.17	0.45
2.10	0.26	0.01	0.10	4.70	0.65	0.17	0.46
2.15	0.27	0.01	0.10	4.75	0.66	0.17	0.46
2.20	0.28	0.01	0.11	4.80	0.67	0.18	0.47
2.25	0.28	0.01	0.12	4.85	0.68	0.18	0.47
2.30	0.29	0.01	0.13	4.90	0.69	0.19	0.48
2.35	0.30	0.02	0.14	4.95	0.69	0.19	0.49
2.40	0.30	0.02	0.15	5.00	0.70	0.20	0.49
2.45	0.31	0.02	0.15	5.05	0.71	0.20	0.50
2.50	0.32	0.02	0.16	5.10	0.72	0.21	0.50
2.55	0.33	0.02	0.17	5.15	0.73	0.22	0.51

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.22	0.51	7.80	1.27	0.61	1.00
5.25	0.74	0.23	0.52	7.85	1.28	0.62	1.01
5.30	0.75	0.23	0.52	7.90	1.30	0.63	1.02
5.35	0.76	0.24	0.53	7.95	1.31	0.64	1.03
5.40	0.77	0.24	0.54	8.00	1.32	0.65	1.05
5.45	0.78	0.25	0.54	8.05	1.34	0.66	1.06
5.50	0.79	0.25	0.55	8.10	1.35	0.68	1.07
5.55	0.80	0.26	0.55	8.15	1.36	0.69	1.08
5.60	0.80	0.27	0.56	8.20	1.38	0.70	1.09
5.65	0.81	0.27	0.56	8.25	1.39	0.71	1.11
5.70	0.82	0.28	0.57	8.30	1.40	0.72	1.12
5.75	0.83	0.28	0.57	8.35	1.42	0.73	1.13
5.80	0.84	0.29	0.58	8.40	1.43	0.74	1.14
5.85	0.85	0.29	0.58	8.45	1.45	0.76	1.15
5.90	0.86	0.30	0.59	8.50	1.46	0.77	1.17
5.95	0.87	0.31	0.59	8.55	1.48	0.78	1.18
6.00	0.87	0.31	0.60	8.60	1.49	0.79	1.19
6.05	0.88	0.32	0.60	8.65	1.51	0.81	1.20
6.10	0.89	0.33	0.61	8.70	1.52	0.82	1.22
6.15	0.90	0.33	0.62	8.75	1.54	0.83	1.23
6.20	0.91	0.34	0.63	8.80	1.55	0.84	1.24
6.25	0.92	0.35	0.64	8.85	1.57	0.86	1.25
6.30	0.93	0.35	0.65	8.90	1.58	0.87	1.26
6.35	0.94	0.36	0.66	8.95	1.60	0.88	1.28
6.40	0.95	0.37	0.67	9.00	1.61	0.90	1.29
6.45	0.96	0.37	0.68	9.05	1.63	0.91	1.30
6.50	0.97	0.38	0.70	9.10	1.64	0.92	1.33
6.55	0.98	0.39	0.71	9.15	1.66	0.94	1.36
6.60	0.99	0.40	0.72	9.20	1.68	0.95	1.40
6.65	1.00	0.40	0.73	9.25	1.70	0.97	1.43
6.70	1.01	0.41	0.74	9.30	1.72	0.99	1.47
6.75	1.02	0.42	0.75	9.35	1.73	1.00	1.51
6.80	1.03	0.43	0.76	9.40	1.75	1.02	1.55
6.85	1.04	0.44	0.77	9.45	1.77	1.04	1.59
6.90	1.05	0.44	0.78	9.50	1.79	1.05	1.63
6.95	1.07	0.45	0.80	9.55	1.81	1.07	1.67
7.00	1.08	0.46	0.81	9.60	1.83	1.09	1.71
7.05	1.09	0.47	0.82	9.65	1.85	1.11	1.75
7.10	1.10	0.48	0.83	9.70	1.88	1.13	1.79
7.15	1.11	0.49	0.84	9.75	1.90	1.15	1.83
7.20	1.12	0.49	0.86	9.80	1.92	1.17	1.87
7.25	1.13	0.50	0.87	9.85	1.94	1.19	1.91
7.30	1.15	0.51	0.88	9.90	1.97	1.21	1.95
7.35	1.16	0.52	0.89	9.95	1.99	1.23	1.99
7.40	1.17	0.53	0.90	10.00	2.01	1.25	2.03
7.45	1.18	0.54	0.91	10.05	2.04	1.27	2.07
7.50	1.19	0.55	0.93	10.10	2.06	1.29	2.11
7.55	1.21	0.56	0.94	10.15	2.09	1.32	2.15
7.60	1.22	0.57	0.95	10.20	2.11	1.34	2.20
7.65	1.23	0.58	0.96	10.25	2.14	1.36	2.24
7.70	1.24	0.59	0.97	10.30	2.17	1.39	2.28
7.75	1.26	0.60	0.98	10.35	2.19	1.41	2.32

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.44	2.36	13.00	8.39	7.43	5.37
10.45	2.25	1.46	2.40	13.05	8.43	7.47	5.09
10.50	2.28	1.49	2.44	13.10	8.48	7.52	4.79
10.55	2.31	1.51	2.50	13.15	8.52	7.56	4.52
10.60	2.34	1.54	2.60	13.20	8.56	7.60	4.30
10.65	2.37	1.57	2.72	13.25	8.60	7.63	4.12
10.70	2.41	1.61	2.86	13.30	8.63	7.67	3.95
10.75	2.44	1.64	3.00	13.35	8.67	7.71	3.79
10.80	2.48	1.68	3.15	13.40	8.70	7.74	3.63
10.85	2.52	1.71	3.30	13.45	8.73	7.77	3.47
10.90	2.56	1.75	3.45	13.50	8.76	7.80	3.32
10.95	2.61	1.79	3.60	13.55	8.79	7.83	3.16
11.00	2.65	1.83	3.76	13.60	8.82	7.86	3.01
11.05	2.70	1.88	3.92	13.65	8.85	7.88	2.87
11.10	2.75	1.92	4.15	13.70	8.87	7.91	2.77
11.15	2.80	1.98	4.40	13.75	8.90	7.94	2.70
11.20	2.86	2.03	4.67	13.80	8.93	7.96	2.65
11.25	2.92	2.09	4.95	13.85	8.95	7.99	2.61
11.30	2.98	2.15	5.24	13.90	8.98	8.01	2.56
11.35	3.05	2.21	5.52	13.95	9.00	8.04	2.52
11.40	3.12	2.27	5.81	14.00	9.03	8.06	2.48
11.45	3.19	2.34	6.09	14.05	9.05	8.08	2.44
11.50	3.26	2.41	6.35	14.10	9.07	8.11	2.40
11.55	3.37	2.52	6.76	14.15	9.10	8.13	2.36
11.60	3.49	2.62	7.85	14.20	9.12	8.15	2.32
11.65	3.60	2.74	9.20	14.25	9.14	8.18	2.28
11.70	3.72	2.85	10.13	14.30	9.16	8.20	2.24
11.75	3.88	3.00	10.89	14.35	9.19	8.22	2.20
11.80	4.04	3.16	12.25	14.40	9.21	8.24	2.16
11.85	4.27	3.38	14.10	14.45	9.23	8.26	2.12
11.90	4.49	3.59	16.58	14.50	9.25	8.28	2.08
11.95	4.88	3.97	19.81	14.55	9.27	8.30	2.04
12.00	5.26	4.35	25.31	14.60	9.29	8.32	2.00
12.05	5.91	4.98	32.51	14.65	9.31	8.34	1.96
12.10	6.55	5.61	42.48	14.70	9.32	8.36	1.91
12.15	6.77	5.83	50.56	14.75	9.34	8.37	1.87
12.20	7.00	6.05	45.59	14.80	9.36	8.39	1.83
12.25	7.16	6.21	33.91	14.85	9.38	8.41	1.79
12.30	7.32	6.37	25.32	14.90	9.40	8.43	1.75
12.35	7.44	6.49	20.03	14.95	9.41	8.44	1.71
12.40	7.55	6.60	16.37	15.00	9.43	8.46	1.67
12.45	7.67	6.71	13.79	15.05	9.44	8.47	1.63
12.50	7.78	6.82	12.30	15.10	9.46	8.49	1.59
12.55	7.85	6.89	11.33	15.15	9.47	8.50	1.55
12.60	7.92	6.97	9.95	15.20	9.49	8.52	1.53
12.65	7.99	7.03	8.47	15.25	9.50	8.53	1.51
12.70	8.06	7.10	7.53	15.30	9.52	8.55	1.50
12.75	8.12	7.16	7.00	15.35	9.53	8.56	1.48
12.80	8.18	7.22	6.60	15.40	9.55	8.58	1.47
12.85	8.24	7.28	6.28	15.45	9.56	8.59	1.46
12.90	8.29	7.33	5.96	15.50	9.58	8.61	1.45
12.95	8.34	7.38	5.67	15.55	9.59	8.62	1.44

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	8.64	1.43	18.20	10.20	9.23	0.88
15.65	9.62	8.65	1.42	18.25	10.21	9.24	0.87
15.70	9.64	8.66	1.41	18.30	10.22	9.24	0.87
15.75	9.65	8.68	1.40	18.35	10.23	9.25	0.86
15.80	9.66	8.69	1.39	18.40	10.24	9.26	0.86
15.85	9.68	8.71	1.37	18.45	10.24	9.27	0.86
15.90	9.69	8.72	1.36	18.50	10.25	9.28	0.86
15.95	9.70	8.73	1.36	18.55	10.26	9.29	0.85
16.00	9.72	8.75	1.34	18.60	10.27	9.30	0.85
16.05	9.73	8.76	1.33	18.65	10.28	9.30	0.85
16.10	9.74	8.77	1.32	18.70	10.29	9.31	0.85
16.15	9.76	8.79	1.31	18.75	10.30	9.32	0.84
16.20	9.77	8.80	1.30	18.80	10.30	9.33	0.84
16.25	9.78	8.81	1.29	18.85	10.31	9.34	0.84
16.30	9.80	8.82	1.28	18.90	10.32	9.35	0.83
16.35	9.81	8.84	1.27	18.95	10.33	9.35	0.83
16.40	9.82	8.85	1.26	19.00	10.34	9.36	0.83
16.45	9.83	8.86	1.25	19.05	10.35	9.37	0.83
16.50	9.85	8.87	1.24	19.10	10.35	9.38	0.82
16.55	9.86	8.89	1.22	19.15	10.36	9.39	0.82
16.60	9.87	8.90	1.21	19.20	10.37	9.40	0.82
16.65	9.88	8.91	1.20	19.25	10.38	9.40	0.82
16.70	9.89	8.92	1.19	19.30	10.39	9.41	0.81
16.75	9.91	8.93	1.18	19.35	10.40	9.42	0.81
16.80	9.92	8.95	1.17	19.40	10.40	9.43	0.81
16.85	9.93	8.96	1.16	19.45	10.41	9.44	0.80
16.90	9.94	8.97	1.15	19.50	10.42	9.44	0.80
16.95	9.95	8.98	1.14	19.55	10.43	9.45	0.80
17.00	9.96	8.99	1.13	19.60	10.44	9.46	0.80
17.05	9.97	9.00	1.12	19.65	10.44	9.47	0.79
17.10	9.99	9.01	1.11	19.70	10.45	9.48	0.79
17.15	10.00	9.02	1.10	19.75	10.46	9.48	0.79
17.20	10.01	9.03	1.09	19.80	10.47	9.49	0.79
17.25	10.02	9.04	1.08	19.85	10.48	9.50	0.79
17.30	10.03	9.06	1.06	19.90	10.48	9.51	0.78
17.35	10.04	9.07	1.05	19.95	10.49	9.52	0.78
17.40	10.05	9.08	1.04	20.00	10.50	9.52	0.78
17.45	10.06	9.09	1.03	20.05	10.51	9.53	0.77
17.50	10.07	9.10	1.02	20.10	10.52	9.54	0.77
17.55	10.08	9.11	1.01	20.15	10.52	9.55	0.77
17.60	10.09	9.12	1.00	20.20	10.53	9.55	0.76
17.65	10.10	9.13	0.99	20.25	10.54	9.56	0.76
17.70	10.11	9.14	0.98	20.30	10.55	9.57	0.76
17.75	10.12	9.15	0.97	20.35	10.55	9.58	0.76
17.80	10.13	9.15	0.96	20.40	10.56	9.58	0.75
17.85	10.14	9.16	0.95	20.45	10.57	9.59	0.75
17.90	10.15	9.17	0.94	20.50	10.58	9.60	0.75
17.95	10.16	9.18	0.92	20.55	10.58	9.61	0.75
18.00	10.17	9.19	0.91	20.60	10.59	9.62	0.74
18.05	10.17	9.20	0.90	20.65	10.60	9.62	0.74
18.10	10.18	9.21	0.89	20.70	10.61	9.63	0.74
18.15	10.19	9.22	0.88	20.75	10.61	9.64	0.74

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	9.64	0.73	23.40	10.97	9.99	0.59
20.85	10.63	9.65	0.73	23.45	10.97	10.00	0.59
20.90	10.64	9.66	0.73	23.50	10.98	10.00	0.59
20.95	10.64	9.67	0.72	23.55	10.99	10.01	0.58
21.00	10.65	9.67	0.72	23.60	10.99	10.01	0.58
21.05	10.66	9.68	0.72	23.65	11.00	10.02	0.58
21.10	10.66	9.69	0.72	23.70	11.00	10.02	0.58
21.15	10.67	9.70	0.71	23.75	11.01	10.03	0.58
21.20	10.68	9.70	0.71	23.80	11.01	10.04	0.57
21.25	10.69	9.71	0.71	23.85	11.02	10.04	0.57
21.30	10.69	9.72	0.71	23.90	11.03	10.05	0.56
21.35	10.70	9.72	0.71	23.95	11.03	10.05	0.57
21.40	10.71	9.73	0.70	24.00	11.04	10.06	0.60
21.45	10.71	9.74	0.70	24.05	11.04	10.06	0.61
21.50	10.72	9.74	0.69	24.10	11.04	10.06	0.46
21.55	10.73	9.75	0.69	24.15	11.04	10.06	0.23
21.60	10.74	9.76	0.69	24.20	11.04	10.06	0.10
21.65	10.74	9.77	0.69	24.25	11.04	10.06	0.04
21.70	10.75	9.77	0.68	24.30	11.04	10.06	0.02
21.75	10.76	9.78	0.68	24.35	11.04	10.06	0.01
21.80	10.76	9.79	0.68	24.40	11.04	10.06	0.00
21.85	10.77	9.79	0.68	24.45	11.04	10.06	0.00
21.90	10.78	9.80	0.68	24.50	11.04	10.06	0.00
21.95	10.78	9.81	0.67	24.55	11.04	10.06	0.00
22.00	10.79	9.81	0.67	24.60	11.04	10.06	0.00
22.05	10.80	9.82	0.66	24.65	11.04	10.06	0.00
22.10	10.80	9.83	0.66	24.70	11.04	10.06	0.00
22.15	10.81	9.83	0.66	24.75	11.04	10.06	0.00
22.20	10.82	9.84	0.66	24.80	11.04	10.06	0.00
22.25	10.82	9.85	0.66	24.85	11.04	10.06	0.00
22.30	10.83	9.85	0.65	24.90	11.04	10.06	0.00
22.35	10.84	9.86	0.65	24.95	11.04	10.06	0.00
22.40	10.84	9.87	0.65	25.00	11.04	10.06	0.00
22.45	10.85	9.87	0.64	25.05	11.04	10.06	0.00
22.50	10.86	9.88	0.64	25.10	11.04	10.06	0.00
22.55	10.86	9.88	0.64	25.15	11.04	10.06	0.00
22.60	10.87	9.89	0.64	25.20	11.04	10.06	0.00
22.65	10.88	9.90	0.63	25.25	11.04	10.06	0.00
22.70	10.88	9.90	0.63	25.30	11.04	10.06	0.00
22.75	10.89	9.91	0.63	25.35	11.04	10.06	0.00
22.80	10.89	9.92	0.62	25.40	11.04	10.06	0.00
22.85	10.90	9.92	0.62	25.45	11.04	10.06	0.00
22.90	10.91	9.93	0.62	25.50	11.04	10.06	0.00
22.95	10.91	9.93	0.62	25.55	11.04	10.06	0.00
23.00	10.92	9.94	0.61	25.60	11.04	10.06	0.00
23.05	10.93	9.95	0.61	25.65	11.04	10.06	0.00
23.10	10.93	9.95	0.61	25.70	11.04	10.06	0.00
23.15	10.94	9.96	0.61	25.75	11.04	10.06	0.00
23.20	10.94	9.97	0.60	25.80	11.04	10.06	0.00
23.25	10.95	9.97	0.60	25.85	11.04	10.06	0.00
23.30	10.96	9.98	0.60	25.90	11.04	10.06	0.00
23.35	10.96	9.98	0.59	25.95	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.06	0.00	28.60	11.04	10.06	0.00
26.05	11.04	10.06	0.00	28.65	11.04	10.06	0.00
26.10	11.04	10.06	0.00	28.70	11.04	10.06	0.00
26.15	11.04	10.06	0.00	28.75	11.04	10.06	0.00
26.20	11.04	10.06	0.00	28.80	11.04	10.06	0.00
26.25	11.04	10.06	0.00	28.85	11.04	10.06	0.00
26.30	11.04	10.06	0.00	28.90	11.04	10.06	0.00
26.35	11.04	10.06	0.00	28.95	11.04	10.06	0.00
26.40	11.04	10.06	0.00	29.00	11.04	10.06	0.00
26.45	11.04	10.06	0.00	29.05	11.04	10.06	0.00
26.50	11.04	10.06	0.00	29.10	11.04	10.06	0.00
26.55	11.04	10.06	0.00	29.15	11.04	10.06	0.00
26.60	11.04	10.06	0.00	29.20	11.04	10.06	0.00
26.65	11.04	10.06	0.00	29.25	11.04	10.06	0.00
26.70	11.04	10.06	0.00	29.30	11.04	10.06	0.00
26.75	11.04	10.06	0.00	29.35	11.04	10.06	0.00
26.80	11.04	10.06	0.00	29.40	11.04	10.06	0.00
26.85	11.04	10.06	0.00	29.45	11.04	10.06	0.00
26.90	11.04	10.06	0.00	29.50	11.04	10.06	0.00
26.95	11.04	10.06	0.00	29.55	11.04	10.06	0.00
27.00	11.04	10.06	0.00	29.60	11.04	10.06	0.00
27.05	11.04	10.06	0.00	29.65	11.04	10.06	0.00
27.10	11.04	10.06	0.00	29.70	11.04	10.06	0.00
27.15	11.04	10.06	0.00	29.75	11.04	10.06	0.00
27.20	11.04	10.06	0.00	29.80	11.04	10.06	0.00
27.25	11.04	10.06	0.00	29.85	11.04	10.06	0.00
27.30	11.04	10.06	0.00	29.90	11.04	10.06	0.00
27.35	11.04	10.06	0.00	29.95	11.04	10.06	0.00
27.40	11.04	10.06	0.00	30.00	11.04	10.06	0.00
27.45	11.04	10.06	0.00	30.05	11.04	10.06	0.00
27.50	11.04	10.06	0.00	30.10	11.04	10.06	0.00
27.55	11.04	10.06	0.00	30.15	11.04	10.06	0.00
27.60	11.04	10.06	0.00	30.20	11.04	10.06	0.00
27.65	11.04	10.06	0.00	30.25	11.04	10.06	0.00
27.70	11.04	10.06	0.00	30.30	11.04	10.06	0.00
27.75	11.04	10.06	0.00	30.35	11.04	10.06	0.00
27.80	11.04	10.06	0.00	30.40	11.04	10.06	0.00
27.85	11.04	10.06	0.00	30.45	11.04	10.06	0.00
27.90	11.04	10.06	0.00	30.50	11.04	10.06	0.00
27.95	11.04	10.06	0.00	30.55	11.04	10.06	0.00
28.00	11.04	10.06	0.00	30.60	11.04	10.06	0.00
28.05	11.04	10.06	0.00	30.65	11.04	10.06	0.00
28.10	11.04	10.06	0.00	30.70	11.04	10.06	0.00
28.15	11.04	10.06	0.00	30.75	11.04	10.06	0.00
28.20	11.04	10.06	0.00	30.80	11.04	10.06	0.00
28.25	11.04	10.06	0.00	30.85	11.04	10.06	0.00
28.30	11.04	10.06	0.00	30.90	11.04	10.06	0.00
28.35	11.04	10.06	0.00	30.95	11.04	10.06	0.00
28.40	11.04	10.06	0.00	31.00	11.04	10.06	0.00
28.45	11.04	10.06	0.00	31.05	11.04	10.06	0.00
28.50	11.04	10.06	0.00	31.10	11.04	10.06	0.00
28.55	11.04	10.06	0.00	31.15	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.06	0.00	33.80	11.04	10.06	0.00
31.25	11.04	10.06	0.00	33.85	11.04	10.06	0.00
31.30	11.04	10.06	0.00	33.90	11.04	10.06	0.00
31.35	11.04	10.06	0.00	33.95	11.04	10.06	0.00
31.40	11.04	10.06	0.00	34.00	11.04	10.06	0.00
31.45	11.04	10.06	0.00	34.05	11.04	10.06	0.00
31.50	11.04	10.06	0.00	34.10	11.04	10.06	0.00
31.55	11.04	10.06	0.00	34.15	11.04	10.06	0.00
31.60	11.04	10.06	0.00	34.20	11.04	10.06	0.00
31.65	11.04	10.06	0.00	34.25	11.04	10.06	0.00
31.70	11.04	10.06	0.00	34.30	11.04	10.06	0.00
31.75	11.04	10.06	0.00	34.35	11.04	10.06	0.00
31.80	11.04	10.06	0.00	34.40	11.04	10.06	0.00
31.85	11.04	10.06	0.00	34.45	11.04	10.06	0.00
31.90	11.04	10.06	0.00	34.50	11.04	10.06	0.00
31.95	11.04	10.06	0.00	34.55	11.04	10.06	0.00
32.00	11.04	10.06	0.00	34.60	11.04	10.06	0.00
32.05	11.04	10.06	0.00	34.65	11.04	10.06	0.00
32.10	11.04	10.06	0.00	34.70	11.04	10.06	0.00
32.15	11.04	10.06	0.00	34.75	11.04	10.06	0.00
32.20	11.04	10.06	0.00	34.80	11.04	10.06	0.00
32.25	11.04	10.06	0.00	34.85	11.04	10.06	0.00
32.30	11.04	10.06	0.00	34.90	11.04	10.06	0.00
32.35	11.04	10.06	0.00	34.95	11.04	10.06	0.00
32.40	11.04	10.06	0.00	35.00	11.04	10.06	0.00
32.45	11.04	10.06	0.00	35.05	11.04	10.06	0.00
32.50	11.04	10.06	0.00	35.10	11.04	10.06	0.00
32.55	11.04	10.06	0.00	35.15	11.04	10.06	0.00
32.60	11.04	10.06	0.00	35.20	11.04	10.06	0.00
32.65	11.04	10.06	0.00	35.25	11.04	10.06	0.00
32.70	11.04	10.06	0.00	35.30	11.04	10.06	0.00
32.75	11.04	10.06	0.00	35.35	11.04	10.06	0.00
32.80	11.04	10.06	0.00	35.40	11.04	10.06	0.00
32.85	11.04	10.06	0.00	35.45	11.04	10.06	0.00
32.90	11.04	10.06	0.00	35.50	11.04	10.06	0.00
32.95	11.04	10.06	0.00	35.55	11.04	10.06	0.00
33.00	11.04	10.06	0.00	35.60	11.04	10.06	0.00
33.05	11.04	10.06	0.00	35.65	11.04	10.06	0.00
33.10	11.04	10.06	0.00	35.70	11.04	10.06	0.00
33.15	11.04	10.06	0.00	35.75	11.04	10.06	0.00
33.20	11.04	10.06	0.00	35.80	11.04	10.06	0.00
33.25	11.04	10.06	0.00	35.85	11.04	10.06	0.00
33.30	11.04	10.06	0.00	35.90	11.04	10.06	0.00
33.35	11.04	10.06	0.00	35.95	11.04	10.06	0.00
33.40	11.04	10.06	0.00	36.00	11.04	10.06	0.00
33.45	11.04	10.06	0.00	36.05	11.04	10.06	0.00
33.50	11.04	10.06	0.00	36.10	11.04	10.06	0.00
33.55	11.04	10.06	0.00	36.15	11.04	10.06	0.00
33.60	11.04	10.06	0.00	36.20	11.04	10.06	0.00
33.65	11.04	10.06	0.00	36.25	11.04	10.06	0.00
33.70	11.04	10.06	0.00	36.30	11.04	10.06	0.00
33.75	11.04	10.06	0.00	36.35	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.06	0.00	39.00	11.04	10.06	0.00
36.45	11.04	10.06	0.00	39.05	11.04	10.06	0.00
36.50	11.04	10.06	0.00	39.10	11.04	10.06	0.00
36.55	11.04	10.06	0.00	39.15	11.04	10.06	0.00
36.60	11.04	10.06	0.00	39.20	11.04	10.06	0.00
36.65	11.04	10.06	0.00	39.25	11.04	10.06	0.00
36.70	11.04	10.06	0.00	39.30	11.04	10.06	0.00
36.75	11.04	10.06	0.00	39.35	11.04	10.06	0.00
36.80	11.04	10.06	0.00	39.40	11.04	10.06	0.00
36.85	11.04	10.06	0.00	39.45	11.04	10.06	0.00
36.90	11.04	10.06	0.00	39.50	11.04	10.06	0.00
36.95	11.04	10.06	0.00	39.55	11.04	10.06	0.00
37.00	11.04	10.06	0.00	39.60	11.04	10.06	0.00
37.05	11.04	10.06	0.00	39.65	11.04	10.06	0.00
37.10	11.04	10.06	0.00	39.70	11.04	10.06	0.00
37.15	11.04	10.06	0.00	39.75	11.04	10.06	0.00
37.20	11.04	10.06	0.00	39.80	11.04	10.06	0.00
37.25	11.04	10.06	0.00	39.85	11.04	10.06	0.00
37.30	11.04	10.06	0.00	39.90	11.04	10.06	0.00
37.35	11.04	10.06	0.00	39.95	11.04	10.06	0.00
37.40	11.04	10.06	0.00	40.00	11.04	10.06	0.00
37.45	11.04	10.06	0.00				
37.50	11.04	10.06	0.00				
37.55	11.04	10.06	0.00				
37.60	11.04	10.06	0.00				
37.65	11.04	10.06	0.00				
37.70	11.04	10.06	0.00				
37.75	11.04	10.06	0.00				
37.80	11.04	10.06	0.00				
37.85	11.04	10.06	0.00				
37.90	11.04	10.06	0.00				
37.95	11.04	10.06	0.00				
38.00	11.04	10.06	0.00				
38.05	11.04	10.06	0.00				
38.10	11.04	10.06	0.00				
38.15	11.04	10.06	0.00				
38.20	11.04	10.06	0.00				
38.25	11.04	10.06	0.00				
38.30	11.04	10.06	0.00				
38.35	11.04	10.06	0.00				
38.40	11.04	10.06	0.00				
38.45	11.04	10.06	0.00				
38.50	11.04	10.06	0.00				
38.55	11.04	10.06	0.00				
38.60	11.04	10.06	0.00				
38.65	11.04	10.06	0.00				
38.70	11.04	10.06	0.00				
38.75	11.04	10.06	0.00				
38.80	11.04	10.06	0.00				
38.85	11.04	10.06	0.00				
38.90	11.04	10.06	0.00				
38.95	11.04	10.06	0.00				

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

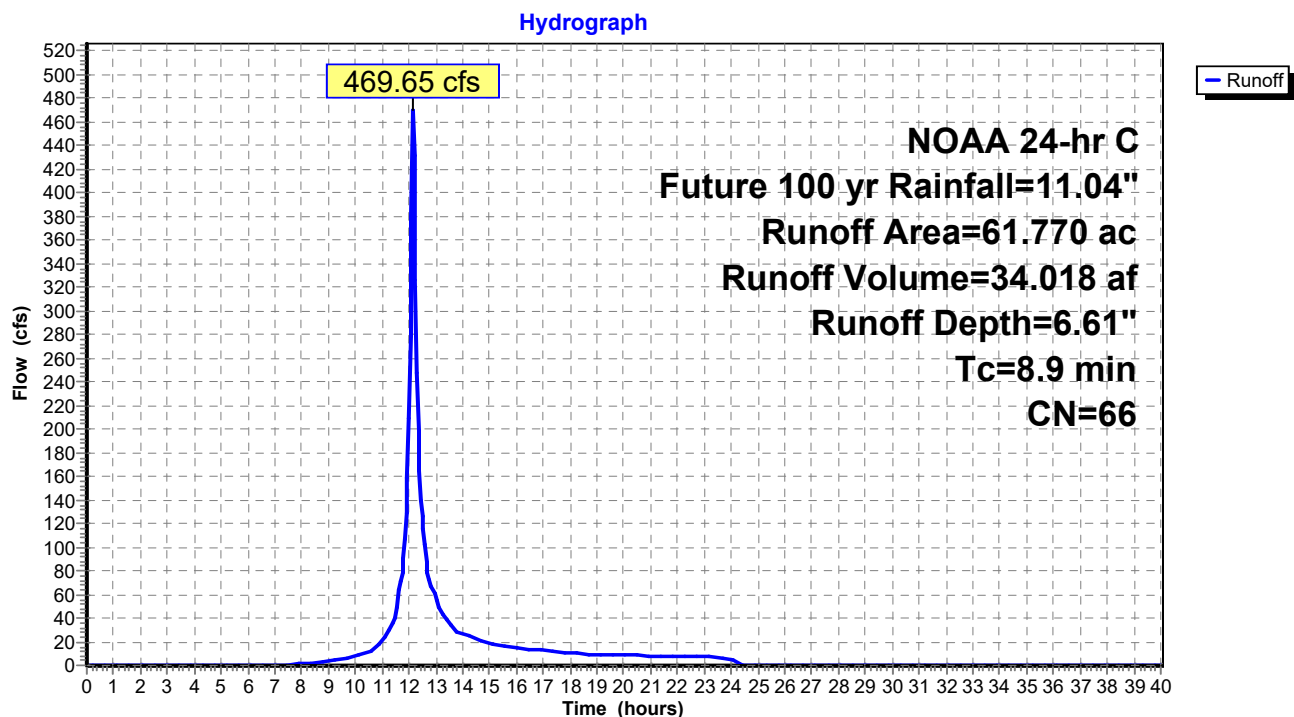
Runoff = 469.65 cfs @ 12.16 hrs, Volume= 34.018 af, Depth= 6.61"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.01	1.18
5.25	0.74	0.00	0.00	7.85	1.28	0.01	1.26
5.30	0.75	0.00	0.00	7.90	1.30	0.01	1.34
5.35	0.76	0.00	0.00	7.95	1.31	0.01	1.42
5.40	0.77	0.00	0.00	8.00	1.32	0.02	1.51
5.45	0.78	0.00	0.00	8.05	1.34	0.02	1.59
5.50	0.79	0.00	0.00	8.10	1.35	0.02	1.68
5.55	0.80	0.00	0.00	8.15	1.36	0.02	1.77
5.60	0.80	0.00	0.00	8.20	1.38	0.02	1.85
5.65	0.81	0.00	0.00	8.25	1.39	0.02	1.95
5.70	0.82	0.00	0.00	8.30	1.40	0.03	2.04
5.75	0.83	0.00	0.00	8.35	1.42	0.03	2.13
5.80	0.84	0.00	0.00	8.40	1.43	0.03	2.22
5.85	0.85	0.00	0.00	8.45	1.45	0.03	2.31
5.90	0.86	0.00	0.00	8.50	1.46	0.03	2.41
5.95	0.87	0.00	0.00	8.55	1.48	0.04	2.51
6.00	0.87	0.00	0.00	8.60	1.49	0.04	2.61
6.05	0.88	0.00	0.00	8.65	1.51	0.04	2.71
6.10	0.89	0.00	0.00	8.70	1.52	0.04	2.81
6.15	0.90	0.00	0.00	8.75	1.54	0.05	2.91
6.20	0.91	0.00	0.00	8.80	1.55	0.05	3.02
6.25	0.92	0.00	0.00	8.85	1.57	0.05	3.12
6.30	0.93	0.00	0.00	8.90	1.58	0.05	3.22
6.35	0.94	0.00	0.00	8.95	1.60	0.06	3.33
6.40	0.95	0.00	0.00	9.00	1.61	0.06	3.44
6.45	0.96	0.00	0.00	9.05	1.63	0.06	3.56
6.50	0.97	0.00	0.00	9.10	1.64	0.07	3.71
6.55	0.98	0.00	0.00	9.15	1.66	0.07	3.88
6.60	0.99	0.00	0.00	9.20	1.68	0.07	4.06
6.65	1.00	0.00	0.00	9.25	1.70	0.08	4.26
6.70	1.01	0.00	0.00	9.30	1.72	0.08	4.47
6.75	1.02	0.00	0.00	9.35	1.73	0.08	4.68
6.80	1.03	0.00	0.00	9.40	1.75	0.09	4.90
6.85	1.04	0.00	0.00	9.45	1.77	0.09	5.12
6.90	1.05	0.00	0.01	9.50	1.79	0.10	5.35
6.95	1.07	0.00	0.05	9.55	1.81	0.10	5.58
7.00	1.08	0.00	0.09	9.60	1.83	0.11	5.83
7.05	1.09	0.00	0.15	9.65	1.85	0.11	6.09
7.10	1.10	0.00	0.21	9.70	1.88	0.12	6.35
7.15	1.11	0.00	0.27	9.75	1.90	0.12	6.60
7.20	1.12	0.00	0.33	9.80	1.92	0.13	6.87
7.25	1.13	0.00	0.39	9.85	1.94	0.14	7.15
7.30	1.15	0.00	0.46	9.90	1.97	0.14	7.44
7.35	1.16	0.00	0.52	9.95	1.99	0.15	7.73
7.40	1.17	0.00	0.59	10.00	2.01	0.16	8.03
7.45	1.18	0.00	0.66	10.05	2.04	0.16	8.33
7.50	1.19	0.01	0.73	10.10	2.06	0.17	8.64
7.55	1.21	0.01	0.80	10.15	2.09	0.18	8.95
7.60	1.22	0.01	0.88	10.20	2.11	0.19	9.28
7.65	1.23	0.01	0.95	10.25	2.14	0.20	9.62
7.70	1.24	0.01	1.03	10.30	2.17	0.20	9.96
7.75	1.26	0.01	1.10	10.35	2.19	0.21	10.29

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.22	10.64	13.00	8.39	4.33	56.48
10.45	2.25	0.23	11.00	13.05	8.43	4.37	53.55
10.50	2.28	0.24	11.37	13.10	8.48	4.40	50.55
10.55	2.31	0.25	11.79	13.15	8.52	4.44	47.74
10.60	2.34	0.26	12.45	13.20	8.56	4.47	45.46
10.65	2.37	0.28	13.24	13.25	8.60	4.50	43.57
10.70	2.41	0.29	14.14	13.30	8.63	4.53	41.84
10.75	2.44	0.30	15.08	13.35	8.67	4.56	40.20
10.80	2.48	0.32	16.09	13.40	8.70	4.59	38.56
10.85	2.52	0.33	17.13	13.45	8.73	4.62	36.94
10.90	2.56	0.35	18.21	13.50	8.76	4.64	35.31
10.95	2.61	0.37	19.31	13.55	8.79	4.67	33.71
11.00	2.65	0.39	20.48	13.60	8.82	4.69	32.09
11.05	2.70	0.41	21.73	13.65	8.85	4.71	30.60
11.10	2.75	0.43	23.35	13.70	8.87	4.73	29.58
11.15	2.80	0.45	25.19	13.75	8.90	4.76	28.90
11.20	2.86	0.48	27.24	13.80	8.93	4.78	28.36
11.25	2.92	0.51	29.36	13.85	8.95	4.80	27.90
11.30	2.98	0.54	31.61	13.90	8.98	4.82	27.47
11.35	3.05	0.57	33.91	13.95	9.00	4.84	27.07
11.40	3.12	0.60	36.35	14.00	9.03	4.86	26.64
11.45	3.19	0.64	38.78	14.05	9.05	4.88	26.22
11.50	3.26	0.67	41.18	14.10	9.07	4.90	25.78
11.55	3.37	0.73	44.62	14.15	9.10	4.92	25.37
11.60	3.49	0.79	52.97	14.20	9.12	4.94	24.96
11.65	3.60	0.86	63.42	14.25	9.14	4.96	24.56
11.70	3.72	0.92	71.33	14.30	9.16	4.98	24.12
11.75	3.88	1.02	78.34	14.35	9.19	5.00	23.69
11.80	4.04	1.11	90.34	14.40	9.21	5.02	23.25
11.85	4.27	1.25	106.58	14.45	9.23	5.03	22.83
11.90	4.49	1.39	128.74	14.50	9.25	5.05	22.41
11.95	4.88	1.64	158.40	14.55	9.27	5.07	22.01
12.00	5.26	1.91	209.29	14.60	9.29	5.08	21.57
12.05	5.91	2.37	278.65	14.65	9.31	5.10	21.14
12.10	6.55	2.86	378.94	14.70	9.32	5.12	20.69
12.15	6.77	3.03	466.90	14.75	9.34	5.13	20.27
12.20	7.00	3.20	431.16	14.80	9.36	5.15	19.85
12.25	7.16	3.33	326.55	14.85	9.38	5.16	19.44
12.30	7.32	3.46	247.82	14.90	9.40	5.18	19.00
12.35	7.44	3.55	198.71	14.95	9.41	5.19	18.55
12.40	7.55	3.65	164.21	15.00	9.43	5.20	18.11
12.45	7.67	3.74	139.51	15.05	9.44	5.22	17.68
12.50	7.78	3.83	125.37	15.10	9.46	5.23	17.26
12.55	7.85	3.88	116.22	15.15	9.47	5.24	16.87
12.60	7.92	3.94	102.45	15.20	9.49	5.26	16.60
12.65	7.99	4.00	87.50	15.25	9.50	5.27	16.40
12.70	8.06	4.05	78.06	15.30	9.52	5.28	16.25
12.75	8.12	4.10	72.77	15.35	9.53	5.30	16.13
12.80	8.18	4.16	68.84	15.40	9.55	5.31	16.02
12.85	8.24	4.20	65.57	15.45	9.56	5.32	15.93
12.90	8.29	4.25	62.44	15.50	9.58	5.33	15.81
12.95	8.34	4.29	59.48	15.55	9.59	5.35	15.69

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.36	15.58	18.20	10.20	5.87	9.66
15.65	9.62	5.37	15.48	18.25	10.21	5.88	9.61
15.70	9.64	5.38	15.36	18.30	10.22	5.89	9.58
15.75	9.65	5.39	15.23	18.35	10.23	5.89	9.54
15.80	9.66	5.41	15.11	18.40	10.24	5.90	9.51
15.85	9.68	5.42	15.00	18.45	10.24	5.91	9.48
15.90	9.69	5.43	14.89	18.50	10.25	5.92	9.46
15.95	9.70	5.44	14.80	18.55	10.26	5.92	9.43
16.00	9.72	5.45	14.68	18.60	10.27	5.93	9.40
16.05	9.73	5.46	14.56	18.65	10.28	5.94	9.37
16.10	9.74	5.48	14.44	18.70	10.29	5.95	9.34
16.15	9.76	5.49	14.35	18.75	10.30	5.95	9.31
16.20	9.77	5.50	14.24	18.80	10.30	5.96	9.29
16.25	9.78	5.51	14.13	18.85	10.31	5.97	9.26
16.30	9.80	5.52	14.00	18.90	10.32	5.98	9.23
16.35	9.81	5.53	13.87	18.95	10.33	5.98	9.20
16.40	9.82	5.54	13.76	19.00	10.34	5.99	9.17
16.45	9.83	5.55	13.66	19.05	10.35	6.00	9.14
16.50	9.85	5.56	13.54	19.10	10.35	6.01	9.12
16.55	9.86	5.57	13.41	19.15	10.36	6.01	9.09
16.60	9.87	5.59	13.30	19.20	10.37	6.02	9.06
16.65	9.88	5.60	13.20	19.25	10.38	6.03	9.03
16.70	9.89	5.61	13.10	19.30	10.39	6.03	9.00
16.75	9.91	5.62	12.98	19.35	10.40	6.04	8.97
16.80	9.92	5.63	12.85	19.40	10.40	6.05	8.94
16.85	9.93	5.64	12.72	19.45	10.41	6.06	8.92
16.90	9.94	5.65	12.61	19.50	10.42	6.06	8.89
16.95	9.95	5.66	12.51	19.55	10.43	6.07	8.86
17.00	9.96	5.67	12.40	19.60	10.44	6.08	8.83
17.05	9.97	5.68	12.29	19.65	10.44	6.08	8.80
17.10	9.99	5.68	12.18	19.70	10.45	6.09	8.77
17.15	10.00	5.69	12.06	19.75	10.46	6.10	8.75
17.20	10.01	5.70	11.95	19.80	10.47	6.11	8.73
17.25	10.02	5.71	11.83	19.85	10.48	6.11	8.72
17.30	10.03	5.72	11.69	19.90	10.48	6.12	8.69
17.35	10.04	5.73	11.56	19.95	10.49	6.13	8.65
17.40	10.05	5.74	11.45	20.00	10.50	6.13	8.61
17.45	10.06	5.75	11.35	20.05	10.51	6.14	8.58
17.50	10.07	5.76	11.24	20.10	10.52	6.15	8.55
17.55	10.08	5.77	11.13	20.15	10.52	6.15	8.52
17.60	10.09	5.78	11.01	20.20	10.53	6.16	8.49
17.65	10.10	5.78	10.90	20.25	10.54	6.17	8.46
17.70	10.11	5.79	10.78	20.30	10.55	6.17	8.43
17.75	10.12	5.80	10.66	20.35	10.55	6.18	8.40
17.80	10.13	5.81	10.54	20.40	10.56	6.19	8.37
17.85	10.14	5.82	10.43	20.45	10.57	6.19	8.34
17.90	10.15	5.83	10.31	20.50	10.58	6.20	8.31
17.95	10.16	5.83	10.19	20.55	10.58	6.21	8.29
18.00	10.17	5.84	10.07	20.60	10.59	6.21	8.27
18.05	10.17	5.85	9.96	20.65	10.60	6.22	8.26
18.10	10.18	5.86	9.84	20.70	10.61	6.23	8.23
18.15	10.19	5.86	9.73	20.75	10.61	6.23	8.18

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.24	8.15	23.40	10.97	6.54	6.63
20.85	10.63	6.25	8.11	23.45	10.97	6.55	6.62
20.90	10.64	6.25	8.08	23.50	10.98	6.56	6.58
20.95	10.64	6.26	8.05	23.55	10.99	6.56	6.54
21.00	10.65	6.27	8.02	23.60	10.99	6.57	6.50
21.05	10.66	6.27	7.99	23.65	11.00	6.57	6.47
21.10	10.66	6.28	7.96	23.70	11.00	6.58	6.45
21.15	10.67	6.28	7.94	23.75	11.01	6.58	6.44
21.20	10.68	6.29	7.91	23.80	11.01	6.59	6.41
21.25	10.69	6.30	7.88	23.85	11.02	6.59	6.36
21.30	10.69	6.30	7.87	23.90	11.03	6.60	6.32
21.35	10.70	6.31	7.86	23.95	11.03	6.60	6.37
21.40	10.71	6.32	7.82	24.00	11.04	6.61	6.75
21.45	10.71	6.32	7.78	24.05	11.04	6.61	6.85
21.50	10.72	6.33	7.74	24.10	11.04	6.61	5.13
21.55	10.73	6.33	7.71	24.15	11.04	6.61	2.63
21.60	10.74	6.34	7.67	24.20	11.04	6.61	1.14
21.65	10.74	6.35	7.64	24.25	11.04	6.61	0.50
21.70	10.75	6.35	7.61	24.30	11.04	6.61	0.21
21.75	10.76	6.36	7.59	24.35	11.04	6.61	0.09
21.80	10.76	6.36	7.57	24.40	11.04	6.61	0.03
21.85	10.77	6.37	7.56	24.45	11.04	6.61	0.01
21.90	10.78	6.38	7.53	24.50	11.04	6.61	0.00
21.95	10.78	6.38	7.48	24.55	11.04	6.61	0.00
22.00	10.79	6.39	7.45	24.60	11.04	6.61	0.00
22.05	10.80	6.39	7.41	24.65	11.04	6.61	0.00
22.10	10.80	6.40	7.38	24.70	11.04	6.61	0.00
22.15	10.81	6.41	7.35	24.75	11.04	6.61	0.00
22.20	10.82	6.41	7.34	24.80	11.04	6.61	0.00
22.25	10.82	6.42	7.33	24.85	11.04	6.61	0.00
22.30	10.83	6.42	7.29	24.90	11.04	6.61	0.00
22.35	10.84	6.43	7.25	24.95	11.04	6.61	0.00
22.40	10.84	6.43	7.21	25.00	11.04	6.61	0.00
22.45	10.85	6.44	7.18	25.05	11.04	6.61	0.00
22.50	10.86	6.45	7.15	25.10	11.04	6.61	0.00
22.55	10.86	6.45	7.12	25.15	11.04	6.61	0.00
22.60	10.87	6.46	7.10	25.20	11.04	6.61	0.00
22.65	10.88	6.46	7.09	25.25	11.04	6.61	0.00
22.70	10.88	6.47	7.06	25.30	11.04	6.61	0.00
22.75	10.89	6.47	7.01	25.35	11.04	6.61	0.00
22.80	10.89	6.48	6.97	25.40	11.04	6.61	0.00
22.85	10.90	6.49	6.94	25.45	11.04	6.61	0.00
22.90	10.91	6.49	6.91	25.50	11.04	6.61	0.00
22.95	10.91	6.50	6.88	25.55	11.04	6.61	0.00
23.00	10.92	6.50	6.87	25.60	11.04	6.61	0.00
23.05	10.93	6.51	6.86	25.65	11.04	6.61	0.00
23.10	10.93	6.51	6.82	25.70	11.04	6.61	0.00
23.15	10.94	6.52	6.78	25.75	11.04	6.61	0.00
23.20	10.94	6.52	6.74	25.80	11.04	6.61	0.00
23.25	10.95	6.53	6.70	25.85	11.04	6.61	0.00
23.30	10.96	6.53	6.67	25.90	11.04	6.61	0.00
23.35	10.96	6.54	6.65	25.95	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.61	0.00	28.60	11.04	6.61	0.00
26.05	11.04	6.61	0.00	28.65	11.04	6.61	0.00
26.10	11.04	6.61	0.00	28.70	11.04	6.61	0.00
26.15	11.04	6.61	0.00	28.75	11.04	6.61	0.00
26.20	11.04	6.61	0.00	28.80	11.04	6.61	0.00
26.25	11.04	6.61	0.00	28.85	11.04	6.61	0.00
26.30	11.04	6.61	0.00	28.90	11.04	6.61	0.00
26.35	11.04	6.61	0.00	28.95	11.04	6.61	0.00
26.40	11.04	6.61	0.00	29.00	11.04	6.61	0.00
26.45	11.04	6.61	0.00	29.05	11.04	6.61	0.00
26.50	11.04	6.61	0.00	29.10	11.04	6.61	0.00
26.55	11.04	6.61	0.00	29.15	11.04	6.61	0.00
26.60	11.04	6.61	0.00	29.20	11.04	6.61	0.00
26.65	11.04	6.61	0.00	29.25	11.04	6.61	0.00
26.70	11.04	6.61	0.00	29.30	11.04	6.61	0.00
26.75	11.04	6.61	0.00	29.35	11.04	6.61	0.00
26.80	11.04	6.61	0.00	29.40	11.04	6.61	0.00
26.85	11.04	6.61	0.00	29.45	11.04	6.61	0.00
26.90	11.04	6.61	0.00	29.50	11.04	6.61	0.00
26.95	11.04	6.61	0.00	29.55	11.04	6.61	0.00
27.00	11.04	6.61	0.00	29.60	11.04	6.61	0.00
27.05	11.04	6.61	0.00	29.65	11.04	6.61	0.00
27.10	11.04	6.61	0.00	29.70	11.04	6.61	0.00
27.15	11.04	6.61	0.00	29.75	11.04	6.61	0.00
27.20	11.04	6.61	0.00	29.80	11.04	6.61	0.00
27.25	11.04	6.61	0.00	29.85	11.04	6.61	0.00
27.30	11.04	6.61	0.00	29.90	11.04	6.61	0.00
27.35	11.04	6.61	0.00	29.95	11.04	6.61	0.00
27.40	11.04	6.61	0.00	30.00	11.04	6.61	0.00
27.45	11.04	6.61	0.00	30.05	11.04	6.61	0.00
27.50	11.04	6.61	0.00	30.10	11.04	6.61	0.00
27.55	11.04	6.61	0.00	30.15	11.04	6.61	0.00
27.60	11.04	6.61	0.00	30.20	11.04	6.61	0.00
27.65	11.04	6.61	0.00	30.25	11.04	6.61	0.00
27.70	11.04	6.61	0.00	30.30	11.04	6.61	0.00
27.75	11.04	6.61	0.00	30.35	11.04	6.61	0.00
27.80	11.04	6.61	0.00	30.40	11.04	6.61	0.00
27.85	11.04	6.61	0.00	30.45	11.04	6.61	0.00
27.90	11.04	6.61	0.00	30.50	11.04	6.61	0.00
27.95	11.04	6.61	0.00	30.55	11.04	6.61	0.00
28.00	11.04	6.61	0.00	30.60	11.04	6.61	0.00
28.05	11.04	6.61	0.00	30.65	11.04	6.61	0.00
28.10	11.04	6.61	0.00	30.70	11.04	6.61	0.00
28.15	11.04	6.61	0.00	30.75	11.04	6.61	0.00
28.20	11.04	6.61	0.00	30.80	11.04	6.61	0.00
28.25	11.04	6.61	0.00	30.85	11.04	6.61	0.00
28.30	11.04	6.61	0.00	30.90	11.04	6.61	0.00
28.35	11.04	6.61	0.00	30.95	11.04	6.61	0.00
28.40	11.04	6.61	0.00	31.00	11.04	6.61	0.00
28.45	11.04	6.61	0.00	31.05	11.04	6.61	0.00
28.50	11.04	6.61	0.00	31.10	11.04	6.61	0.00
28.55	11.04	6.61	0.00	31.15	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.61	0.00	33.80	11.04	6.61	0.00
31.25	11.04	6.61	0.00	33.85	11.04	6.61	0.00
31.30	11.04	6.61	0.00	33.90	11.04	6.61	0.00
31.35	11.04	6.61	0.00	33.95	11.04	6.61	0.00
31.40	11.04	6.61	0.00	34.00	11.04	6.61	0.00
31.45	11.04	6.61	0.00	34.05	11.04	6.61	0.00
31.50	11.04	6.61	0.00	34.10	11.04	6.61	0.00
31.55	11.04	6.61	0.00	34.15	11.04	6.61	0.00
31.60	11.04	6.61	0.00	34.20	11.04	6.61	0.00
31.65	11.04	6.61	0.00	34.25	11.04	6.61	0.00
31.70	11.04	6.61	0.00	34.30	11.04	6.61	0.00
31.75	11.04	6.61	0.00	34.35	11.04	6.61	0.00
31.80	11.04	6.61	0.00	34.40	11.04	6.61	0.00
31.85	11.04	6.61	0.00	34.45	11.04	6.61	0.00
31.90	11.04	6.61	0.00	34.50	11.04	6.61	0.00
31.95	11.04	6.61	0.00	34.55	11.04	6.61	0.00
32.00	11.04	6.61	0.00	34.60	11.04	6.61	0.00
32.05	11.04	6.61	0.00	34.65	11.04	6.61	0.00
32.10	11.04	6.61	0.00	34.70	11.04	6.61	0.00
32.15	11.04	6.61	0.00	34.75	11.04	6.61	0.00
32.20	11.04	6.61	0.00	34.80	11.04	6.61	0.00
32.25	11.04	6.61	0.00	34.85	11.04	6.61	0.00
32.30	11.04	6.61	0.00	34.90	11.04	6.61	0.00
32.35	11.04	6.61	0.00	34.95	11.04	6.61	0.00
32.40	11.04	6.61	0.00	35.00	11.04	6.61	0.00
32.45	11.04	6.61	0.00	35.05	11.04	6.61	0.00
32.50	11.04	6.61	0.00	35.10	11.04	6.61	0.00
32.55	11.04	6.61	0.00	35.15	11.04	6.61	0.00
32.60	11.04	6.61	0.00	35.20	11.04	6.61	0.00
32.65	11.04	6.61	0.00	35.25	11.04	6.61	0.00
32.70	11.04	6.61	0.00	35.30	11.04	6.61	0.00
32.75	11.04	6.61	0.00	35.35	11.04	6.61	0.00
32.80	11.04	6.61	0.00	35.40	11.04	6.61	0.00
32.85	11.04	6.61	0.00	35.45	11.04	6.61	0.00
32.90	11.04	6.61	0.00	35.50	11.04	6.61	0.00
32.95	11.04	6.61	0.00	35.55	11.04	6.61	0.00
33.00	11.04	6.61	0.00	35.60	11.04	6.61	0.00
33.05	11.04	6.61	0.00	35.65	11.04	6.61	0.00
33.10	11.04	6.61	0.00	35.70	11.04	6.61	0.00
33.15	11.04	6.61	0.00	35.75	11.04	6.61	0.00
33.20	11.04	6.61	0.00	35.80	11.04	6.61	0.00
33.25	11.04	6.61	0.00	35.85	11.04	6.61	0.00
33.30	11.04	6.61	0.00	35.90	11.04	6.61	0.00
33.35	11.04	6.61	0.00	35.95	11.04	6.61	0.00
33.40	11.04	6.61	0.00	36.00	11.04	6.61	0.00
33.45	11.04	6.61	0.00	36.05	11.04	6.61	0.00
33.50	11.04	6.61	0.00	36.10	11.04	6.61	0.00
33.55	11.04	6.61	0.00	36.15	11.04	6.61	0.00
33.60	11.04	6.61	0.00	36.20	11.04	6.61	0.00
33.65	11.04	6.61	0.00	36.25	11.04	6.61	0.00
33.70	11.04	6.61	0.00	36.30	11.04	6.61	0.00
33.75	11.04	6.61	0.00	36.35	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.61	0.00	39.00	11.04	6.61	0.00
36.45	11.04	6.61	0.00	39.05	11.04	6.61	0.00
36.50	11.04	6.61	0.00	39.10	11.04	6.61	0.00
36.55	11.04	6.61	0.00	39.15	11.04	6.61	0.00
36.60	11.04	6.61	0.00	39.20	11.04	6.61	0.00
36.65	11.04	6.61	0.00	39.25	11.04	6.61	0.00
36.70	11.04	6.61	0.00	39.30	11.04	6.61	0.00
36.75	11.04	6.61	0.00	39.35	11.04	6.61	0.00
36.80	11.04	6.61	0.00	39.40	11.04	6.61	0.00
36.85	11.04	6.61	0.00	39.45	11.04	6.61	0.00
36.90	11.04	6.61	0.00	39.50	11.04	6.61	0.00
36.95	11.04	6.61	0.00	39.55	11.04	6.61	0.00
37.00	11.04	6.61	0.00	39.60	11.04	6.61	0.00
37.05	11.04	6.61	0.00	39.65	11.04	6.61	0.00
37.10	11.04	6.61	0.00	39.70	11.04	6.61	0.00
37.15	11.04	6.61	0.00	39.75	11.04	6.61	0.00
37.20	11.04	6.61	0.00	39.80	11.04	6.61	0.00
37.25	11.04	6.61	0.00	39.85	11.04	6.61	0.00
37.30	11.04	6.61	0.00	39.90	11.04	6.61	0.00
37.35	11.04	6.61	0.00	39.95	11.04	6.61	0.00
37.40	11.04	6.61	0.00	40.00	11.04	6.61	0.00
37.45	11.04	6.61	0.00				
37.50	11.04	6.61	0.00				
37.55	11.04	6.61	0.00				
37.60	11.04	6.61	0.00				
37.65	11.04	6.61	0.00				
37.70	11.04	6.61	0.00				
37.75	11.04	6.61	0.00				
37.80	11.04	6.61	0.00				
37.85	11.04	6.61	0.00				
37.90	11.04	6.61	0.00				
37.95	11.04	6.61	0.00				
38.00	11.04	6.61	0.00				
38.05	11.04	6.61	0.00				
38.10	11.04	6.61	0.00				
38.15	11.04	6.61	0.00				
38.20	11.04	6.61	0.00				
38.25	11.04	6.61	0.00				
38.30	11.04	6.61	0.00				
38.35	11.04	6.61	0.00				
38.40	11.04	6.61	0.00				
38.45	11.04	6.61	0.00				
38.50	11.04	6.61	0.00				
38.55	11.04	6.61	0.00				
38.60	11.04	6.61	0.00				
38.65	11.04	6.61	0.00				
38.70	11.04	6.61	0.00				
38.75	11.04	6.61	0.00				
38.80	11.04	6.61	0.00				
38.85	11.04	6.61	0.00				
38.90	11.04	6.61	0.00				
38.95	11.04	6.61	0.00				

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

Runoff = 192.99 cfs @ 12.16 hrs, Volume= 14.002 af, Depth= 6.75"
Routed to Link XDA-10 : XDA-10

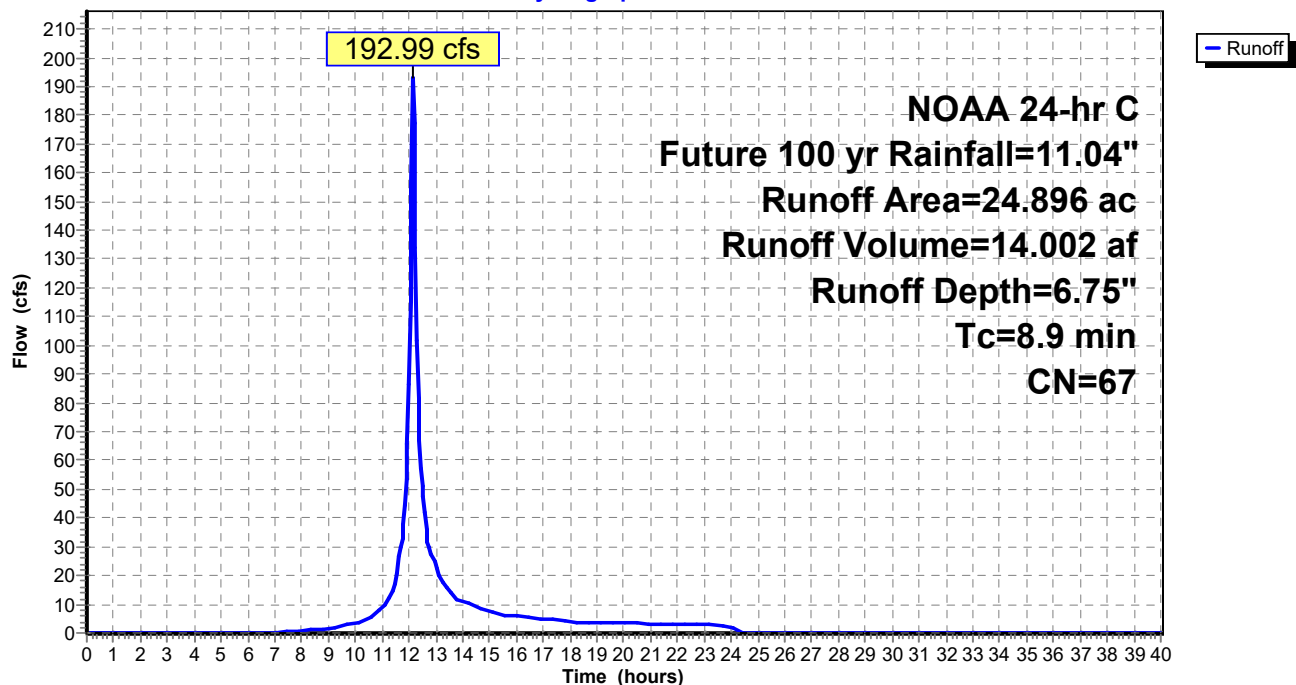
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-1S: XDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.02	0.60
5.25	0.74	0.00	0.00	7.85	1.28	0.02	0.63
5.30	0.75	0.00	0.00	7.90	1.30	0.02	0.67
5.35	0.76	0.00	0.00	7.95	1.31	0.02	0.70
5.40	0.77	0.00	0.00	8.00	1.32	0.02	0.74
5.45	0.78	0.00	0.00	8.05	1.34	0.02	0.77
5.50	0.79	0.00	0.00	8.10	1.35	0.03	0.81
5.55	0.80	0.00	0.00	8.15	1.36	0.03	0.84
5.60	0.80	0.00	0.00	8.20	1.38	0.03	0.88
5.65	0.81	0.00	0.00	8.25	1.39	0.03	0.92
5.70	0.82	0.00	0.00	8.30	1.40	0.03	0.96
5.75	0.83	0.00	0.00	8.35	1.42	0.04	1.00
5.80	0.84	0.00	0.00	8.40	1.43	0.04	1.03
5.85	0.85	0.00	0.00	8.45	1.45	0.04	1.07
5.90	0.86	0.00	0.00	8.50	1.46	0.04	1.11
5.95	0.87	0.00	0.00	8.55	1.48	0.04	1.16
6.00	0.87	0.00	0.00	8.60	1.49	0.05	1.20
6.05	0.88	0.00	0.00	8.65	1.51	0.05	1.24
6.10	0.89	0.00	0.00	8.70	1.52	0.05	1.28
6.15	0.90	0.00	0.00	8.75	1.54	0.06	1.32
6.20	0.91	0.00	0.00	8.80	1.55	0.06	1.37
6.25	0.92	0.00	0.00	8.85	1.57	0.06	1.41
6.30	0.93	0.00	0.00	8.90	1.58	0.06	1.45
6.35	0.94	0.00	0.00	8.95	1.60	0.07	1.50
6.40	0.95	0.00	0.00	9.00	1.61	0.07	1.54
6.45	0.96	0.00	0.00	9.05	1.63	0.07	1.59
6.50	0.97	0.00	0.00	9.10	1.64	0.08	1.66
6.55	0.98	0.00	0.00	9.15	1.66	0.08	1.73
6.60	0.99	0.00	0.00	9.20	1.68	0.09	1.81
6.65	1.00	0.00	0.00	9.25	1.70	0.09	1.89
6.70	1.01	0.00	0.01	9.30	1.72	0.09	1.98
6.75	1.02	0.00	0.02	9.35	1.73	0.10	2.07
6.80	1.03	0.00	0.04	9.40	1.75	0.10	2.16
6.85	1.04	0.00	0.06	9.45	1.77	0.11	2.25
6.90	1.05	0.00	0.09	9.50	1.79	0.11	2.35
6.95	1.07	0.00	0.11	9.55	1.81	0.12	2.45
7.00	1.08	0.00	0.13	9.60	1.83	0.12	2.56
7.05	1.09	0.00	0.16	9.65	1.85	0.13	2.66
7.10	1.10	0.00	0.18	9.70	1.88	0.14	2.77
7.15	1.11	0.00	0.21	9.75	1.90	0.14	2.88
7.20	1.12	0.00	0.24	9.80	1.92	0.15	2.99
7.25	1.13	0.00	0.26	9.85	1.94	0.16	3.11
7.30	1.15	0.01	0.29	9.90	1.97	0.16	3.23
7.35	1.16	0.01	0.32	9.95	1.99	0.17	3.35
7.40	1.17	0.01	0.35	10.00	2.01	0.18	3.48
7.45	1.18	0.01	0.38	10.05	2.04	0.19	3.60
7.50	1.19	0.01	0.41	10.10	2.06	0.19	3.73
7.55	1.21	0.01	0.44	10.15	2.09	0.20	3.86
7.60	1.22	0.01	0.47	10.20	2.11	0.21	4.00
7.65	1.23	0.01	0.50	10.25	2.14	0.22	4.14
7.70	1.24	0.01	0.53	10.30	2.17	0.23	4.28
7.75	1.26	0.01	0.57	10.35	2.19	0.24	4.42

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.25	4.56	13.00	8.39	4.45	23.04
10.45	2.25	0.26	4.71	13.05	8.43	4.48	21.85
10.50	2.28	0.27	4.86	13.10	8.48	4.52	20.62
10.55	2.31	0.28	5.04	13.15	8.52	4.56	19.47
10.60	2.34	0.29	5.31	13.20	8.56	4.59	18.54
10.65	2.37	0.30	5.65	13.25	8.60	4.62	17.77
10.70	2.41	0.32	6.03	13.30	8.63	4.65	17.06
10.75	2.44	0.33	6.42	13.35	8.67	4.68	16.39
10.80	2.48	0.35	6.84	13.40	8.70	4.71	15.72
10.85	2.52	0.37	7.28	13.45	8.73	4.74	15.06
10.90	2.56	0.38	7.73	13.50	8.76	4.76	14.40
10.95	2.61	0.40	8.19	13.55	8.79	4.79	13.74
11.00	2.65	0.42	8.67	13.60	8.82	4.81	13.08
11.05	2.70	0.44	9.19	13.65	8.85	4.83	12.47
11.10	2.75	0.47	9.87	13.70	8.87	4.86	12.06
11.15	2.80	0.49	10.64	13.75	8.90	4.88	11.78
11.20	2.86	0.52	11.49	13.80	8.93	4.90	11.56
11.25	2.92	0.55	12.37	13.85	8.95	4.92	11.37
11.30	2.98	0.58	13.31	13.90	8.98	4.95	11.20
11.35	3.05	0.61	14.26	13.95	9.00	4.97	11.03
11.40	3.12	0.64	15.27	14.00	9.03	4.99	10.86
11.45	3.19	0.68	16.27	14.05	9.05	5.01	10.68
11.50	3.26	0.72	17.26	14.10	9.07	5.03	10.51
11.55	3.37	0.78	18.69	14.15	9.10	5.05	10.34
11.60	3.49	0.84	22.16	14.20	9.12	5.07	10.17
11.65	3.60	0.91	26.49	14.25	9.14	5.09	10.01
11.70	3.72	0.98	29.76	14.30	9.16	5.11	9.83
11.75	3.88	1.07	32.65	14.35	9.19	5.12	9.65
11.80	4.04	1.17	37.60	14.40	9.21	5.14	9.47
11.85	4.27	1.31	44.30	14.45	9.23	5.16	9.30
11.90	4.49	1.46	53.43	14.50	9.25	5.18	9.13
11.95	4.88	1.72	65.63	14.55	9.27	5.19	8.97
12.00	5.26	1.99	86.55	14.60	9.29	5.21	8.79
12.05	5.91	2.46	115.01	14.65	9.31	5.23	8.61
12.10	6.55	2.95	156.06	14.70	9.32	5.24	8.43
12.15	6.77	3.13	191.91	14.75	9.34	5.26	8.25
12.20	7.00	3.30	176.98	14.80	9.36	5.27	8.08
12.25	7.16	3.43	133.91	14.85	9.38	5.29	7.92
12.30	7.32	3.56	101.53	14.90	9.40	5.30	7.74
12.35	7.44	3.66	81.35	14.95	9.41	5.32	7.56
12.40	7.55	3.75	67.18	15.00	9.43	5.33	7.37
12.45	7.67	3.85	57.05	15.05	9.44	5.35	7.20
12.50	7.78	3.94	51.24	15.10	9.46	5.36	7.03
12.55	7.85	4.00	47.49	15.15	9.47	5.37	6.87
12.60	7.92	4.06	41.85	15.20	9.49	5.39	6.76
12.65	7.99	4.11	35.73	15.25	9.50	5.40	6.68
12.70	8.06	4.17	31.87	15.30	9.52	5.41	6.62
12.75	8.12	4.22	29.71	15.35	9.53	5.42	6.57
12.80	8.18	4.27	28.10	15.40	9.55	5.44	6.52
12.85	8.24	4.32	26.76	15.45	9.56	5.45	6.48
12.90	8.29	4.36	25.48	15.50	9.58	5.46	6.44
12.95	8.34	4.41	24.27	15.55	9.59	5.47	6.39

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.49	6.34	18.20	10.20	6.01	3.93
15.65	9.62	5.50	6.30	18.25	10.21	6.01	3.91
15.70	9.64	5.51	6.25	18.30	10.22	6.02	3.90
15.75	9.65	5.52	6.20	18.35	10.23	6.03	3.88
15.80	9.66	5.54	6.15	18.40	10.24	6.04	3.87
15.85	9.68	5.55	6.10	18.45	10.24	6.04	3.86
15.90	9.69	5.56	6.06	18.50	10.25	6.05	3.85
15.95	9.70	5.57	6.02	18.55	10.26	6.06	3.83
16.00	9.72	5.58	5.97	18.60	10.27	6.07	3.82
16.05	9.73	5.59	5.92	18.65	10.28	6.07	3.81
16.10	9.74	5.61	5.88	18.70	10.29	6.08	3.80
16.15	9.76	5.62	5.84	18.75	10.30	6.09	3.79
16.20	9.77	5.63	5.80	18.80	10.30	6.10	3.78
16.25	9.78	5.64	5.75	18.85	10.31	6.10	3.77
16.30	9.80	5.65	5.70	18.90	10.32	6.11	3.75
16.35	9.81	5.66	5.65	18.95	10.33	6.12	3.74
16.40	9.82	5.67	5.60	19.00	10.34	6.13	3.73
16.45	9.83	5.68	5.56	19.05	10.35	6.13	3.72
16.50	9.85	5.69	5.51	19.10	10.35	6.14	3.71
16.55	9.86	5.71	5.46	19.15	10.36	6.15	3.70
16.60	9.87	5.72	5.41	19.20	10.37	6.16	3.68
16.65	9.88	5.73	5.37	19.25	10.38	6.16	3.67
16.70	9.89	5.74	5.33	19.30	10.39	6.17	3.66
16.75	9.91	5.75	5.28	19.35	10.40	6.18	3.65
16.80	9.92	5.76	5.23	19.40	10.40	6.18	3.64
16.85	9.93	5.77	5.18	19.45	10.41	6.19	3.63
16.90	9.94	5.78	5.13	19.50	10.42	6.20	3.61
16.95	9.95	5.79	5.09	19.55	10.43	6.21	3.60
17.00	9.96	5.80	5.05	19.60	10.44	6.21	3.59
17.05	9.97	5.81	5.00	19.65	10.44	6.22	3.58
17.10	9.99	5.82	4.95	19.70	10.45	6.23	3.57
17.15	10.00	5.83	4.91	19.75	10.46	6.23	3.56
17.20	10.01	5.84	4.86	19.80	10.47	6.24	3.55
17.25	10.02	5.85	4.81	19.85	10.48	6.25	3.55
17.30	10.03	5.85	4.76	19.90	10.48	6.26	3.53
17.35	10.04	5.86	4.70	19.95	10.49	6.26	3.52
17.40	10.05	5.87	4.66	20.00	10.50	6.27	3.50
17.45	10.06	5.88	4.62	20.05	10.51	6.28	3.49
17.50	10.07	5.89	4.57	20.10	10.52	6.28	3.47
17.55	10.08	5.90	4.53	20.15	10.52	6.29	3.46
17.60	10.09	5.91	4.48	20.20	10.53	6.30	3.45
17.65	10.10	5.92	4.43	20.25	10.54	6.30	3.44
17.70	10.11	5.93	4.38	20.30	10.55	6.31	3.43
17.75	10.12	5.93	4.34	20.35	10.55	6.32	3.42
17.80	10.13	5.94	4.29	20.40	10.56	6.32	3.40
17.85	10.14	5.95	4.24	20.45	10.57	6.33	3.39
17.90	10.15	5.96	4.19	20.50	10.58	6.34	3.38
17.95	10.16	5.97	4.15	20.55	10.58	6.34	3.37
18.00	10.17	5.97	4.10	20.60	10.59	6.35	3.36
18.05	10.17	5.98	4.05	20.65	10.60	6.36	3.36
18.10	10.18	5.99	4.00	20.70	10.61	6.36	3.35
18.15	10.19	6.00	3.96	20.75	10.61	6.37	3.33

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.38	3.31	23.40	10.97	6.68	2.69
20.85	10.63	6.38	3.30	23.45	10.97	6.69	2.69
20.90	10.64	6.39	3.29	23.50	10.98	6.70	2.68
20.95	10.64	6.40	3.27	23.55	10.99	6.70	2.66
21.00	10.65	6.40	3.26	23.60	10.99	6.71	2.64
21.05	10.66	6.41	3.25	23.65	11.00	6.71	2.63
21.10	10.66	6.42	3.24	23.70	11.00	6.72	2.62
21.15	10.67	6.42	3.23	23.75	11.01	6.72	2.62
21.20	10.68	6.43	3.21	23.80	11.01	6.73	2.60
21.25	10.69	6.43	3.20	23.85	11.02	6.73	2.59
21.30	10.69	6.44	3.20	23.90	11.03	6.74	2.57
21.35	10.70	6.45	3.19	23.95	11.03	6.74	2.59
21.40	10.71	6.45	3.18	24.00	11.04	6.75	2.74
21.45	10.71	6.46	3.16	24.05	11.04	6.75	2.79
21.50	10.72	6.47	3.15	24.10	11.04	6.75	2.08
21.55	10.73	6.47	3.13	24.15	11.04	6.75	1.07
21.60	10.74	6.48	3.12	24.20	11.04	6.75	0.46
21.65	10.74	6.48	3.11	24.25	11.04	6.75	0.20
21.70	10.75	6.49	3.10	24.30	11.04	6.75	0.09
21.75	10.76	6.50	3.08	24.35	11.04	6.75	0.04
21.80	10.76	6.50	3.08	24.40	11.04	6.75	0.01
21.85	10.77	6.51	3.07	24.45	11.04	6.75	0.00
21.90	10.78	6.51	3.06	24.50	11.04	6.75	0.00
21.95	10.78	6.52	3.04	24.55	11.04	6.75	0.00
22.00	10.79	6.53	3.03	24.60	11.04	6.75	0.00
22.05	10.80	6.53	3.01	24.65	11.04	6.75	0.00
22.10	10.80	6.54	3.00	24.70	11.04	6.75	0.00
22.15	10.81	6.54	2.99	24.75	11.04	6.75	0.00
22.20	10.82	6.55	2.98	24.80	11.04	6.75	0.00
22.25	10.82	6.56	2.98	24.85	11.04	6.75	0.00
22.30	10.83	6.56	2.97	24.90	11.04	6.75	0.00
22.35	10.84	6.57	2.95	24.95	11.04	6.75	0.00
22.40	10.84	6.57	2.93	25.00	11.04	6.75	0.00
22.45	10.85	6.58	2.92	25.05	11.04	6.75	0.00
22.50	10.86	6.59	2.90	25.10	11.04	6.75	0.00
22.55	10.86	6.59	2.89	25.15	11.04	6.75	0.00
22.60	10.87	6.60	2.89	25.20	11.04	6.75	0.00
22.65	10.88	6.60	2.88	25.25	11.04	6.75	0.00
22.70	10.88	6.61	2.87	25.30	11.04	6.75	0.00
22.75	10.89	6.61	2.85	25.35	11.04	6.75	0.00
22.80	10.89	6.62	2.83	25.40	11.04	6.75	0.00
22.85	10.90	6.62	2.82	25.45	11.04	6.75	0.00
22.90	10.91	6.63	2.81	25.50	11.04	6.75	0.00
22.95	10.91	6.64	2.80	25.55	11.04	6.75	0.00
23.00	10.92	6.64	2.79	25.60	11.04	6.75	0.00
23.05	10.93	6.65	2.79	25.65	11.04	6.75	0.00
23.10	10.93	6.65	2.77	25.70	11.04	6.75	0.00
23.15	10.94	6.66	2.75	25.75	11.04	6.75	0.00
23.20	10.94	6.66	2.74	25.80	11.04	6.75	0.00
23.25	10.95	6.67	2.73	25.85	11.04	6.75	0.00
23.30	10.96	6.67	2.71	25.90	11.04	6.75	0.00
23.35	10.96	6.68	2.70	25.95	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.75	0.00	28.60	11.04	6.75	0.00
26.05	11.04	6.75	0.00	28.65	11.04	6.75	0.00
26.10	11.04	6.75	0.00	28.70	11.04	6.75	0.00
26.15	11.04	6.75	0.00	28.75	11.04	6.75	0.00
26.20	11.04	6.75	0.00	28.80	11.04	6.75	0.00
26.25	11.04	6.75	0.00	28.85	11.04	6.75	0.00
26.30	11.04	6.75	0.00	28.90	11.04	6.75	0.00
26.35	11.04	6.75	0.00	28.95	11.04	6.75	0.00
26.40	11.04	6.75	0.00	29.00	11.04	6.75	0.00
26.45	11.04	6.75	0.00	29.05	11.04	6.75	0.00
26.50	11.04	6.75	0.00	29.10	11.04	6.75	0.00
26.55	11.04	6.75	0.00	29.15	11.04	6.75	0.00
26.60	11.04	6.75	0.00	29.20	11.04	6.75	0.00
26.65	11.04	6.75	0.00	29.25	11.04	6.75	0.00
26.70	11.04	6.75	0.00	29.30	11.04	6.75	0.00
26.75	11.04	6.75	0.00	29.35	11.04	6.75	0.00
26.80	11.04	6.75	0.00	29.40	11.04	6.75	0.00
26.85	11.04	6.75	0.00	29.45	11.04	6.75	0.00
26.90	11.04	6.75	0.00	29.50	11.04	6.75	0.00
26.95	11.04	6.75	0.00	29.55	11.04	6.75	0.00
27.00	11.04	6.75	0.00	29.60	11.04	6.75	0.00
27.05	11.04	6.75	0.00	29.65	11.04	6.75	0.00
27.10	11.04	6.75	0.00	29.70	11.04	6.75	0.00
27.15	11.04	6.75	0.00	29.75	11.04	6.75	0.00
27.20	11.04	6.75	0.00	29.80	11.04	6.75	0.00
27.25	11.04	6.75	0.00	29.85	11.04	6.75	0.00
27.30	11.04	6.75	0.00	29.90	11.04	6.75	0.00
27.35	11.04	6.75	0.00	29.95	11.04	6.75	0.00
27.40	11.04	6.75	0.00	30.00	11.04	6.75	0.00
27.45	11.04	6.75	0.00	30.05	11.04	6.75	0.00
27.50	11.04	6.75	0.00	30.10	11.04	6.75	0.00
27.55	11.04	6.75	0.00	30.15	11.04	6.75	0.00
27.60	11.04	6.75	0.00	30.20	11.04	6.75	0.00
27.65	11.04	6.75	0.00	30.25	11.04	6.75	0.00
27.70	11.04	6.75	0.00	30.30	11.04	6.75	0.00
27.75	11.04	6.75	0.00	30.35	11.04	6.75	0.00
27.80	11.04	6.75	0.00	30.40	11.04	6.75	0.00
27.85	11.04	6.75	0.00	30.45	11.04	6.75	0.00
27.90	11.04	6.75	0.00	30.50	11.04	6.75	0.00
27.95	11.04	6.75	0.00	30.55	11.04	6.75	0.00
28.00	11.04	6.75	0.00	30.60	11.04	6.75	0.00
28.05	11.04	6.75	0.00	30.65	11.04	6.75	0.00
28.10	11.04	6.75	0.00	30.70	11.04	6.75	0.00
28.15	11.04	6.75	0.00	30.75	11.04	6.75	0.00
28.20	11.04	6.75	0.00	30.80	11.04	6.75	0.00
28.25	11.04	6.75	0.00	30.85	11.04	6.75	0.00
28.30	11.04	6.75	0.00	30.90	11.04	6.75	0.00
28.35	11.04	6.75	0.00	30.95	11.04	6.75	0.00
28.40	11.04	6.75	0.00	31.00	11.04	6.75	0.00
28.45	11.04	6.75	0.00	31.05	11.04	6.75	0.00
28.50	11.04	6.75	0.00	31.10	11.04	6.75	0.00
28.55	11.04	6.75	0.00	31.15	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.75	0.00	33.80	11.04	6.75	0.00
31.25	11.04	6.75	0.00	33.85	11.04	6.75	0.00
31.30	11.04	6.75	0.00	33.90	11.04	6.75	0.00
31.35	11.04	6.75	0.00	33.95	11.04	6.75	0.00
31.40	11.04	6.75	0.00	34.00	11.04	6.75	0.00
31.45	11.04	6.75	0.00	34.05	11.04	6.75	0.00
31.50	11.04	6.75	0.00	34.10	11.04	6.75	0.00
31.55	11.04	6.75	0.00	34.15	11.04	6.75	0.00
31.60	11.04	6.75	0.00	34.20	11.04	6.75	0.00
31.65	11.04	6.75	0.00	34.25	11.04	6.75	0.00
31.70	11.04	6.75	0.00	34.30	11.04	6.75	0.00
31.75	11.04	6.75	0.00	34.35	11.04	6.75	0.00
31.80	11.04	6.75	0.00	34.40	11.04	6.75	0.00
31.85	11.04	6.75	0.00	34.45	11.04	6.75	0.00
31.90	11.04	6.75	0.00	34.50	11.04	6.75	0.00
31.95	11.04	6.75	0.00	34.55	11.04	6.75	0.00
32.00	11.04	6.75	0.00	34.60	11.04	6.75	0.00
32.05	11.04	6.75	0.00	34.65	11.04	6.75	0.00
32.10	11.04	6.75	0.00	34.70	11.04	6.75	0.00
32.15	11.04	6.75	0.00	34.75	11.04	6.75	0.00
32.20	11.04	6.75	0.00	34.80	11.04	6.75	0.00
32.25	11.04	6.75	0.00	34.85	11.04	6.75	0.00
32.30	11.04	6.75	0.00	34.90	11.04	6.75	0.00
32.35	11.04	6.75	0.00	34.95	11.04	6.75	0.00
32.40	11.04	6.75	0.00	35.00	11.04	6.75	0.00
32.45	11.04	6.75	0.00	35.05	11.04	6.75	0.00
32.50	11.04	6.75	0.00	35.10	11.04	6.75	0.00
32.55	11.04	6.75	0.00	35.15	11.04	6.75	0.00
32.60	11.04	6.75	0.00	35.20	11.04	6.75	0.00
32.65	11.04	6.75	0.00	35.25	11.04	6.75	0.00
32.70	11.04	6.75	0.00	35.30	11.04	6.75	0.00
32.75	11.04	6.75	0.00	35.35	11.04	6.75	0.00
32.80	11.04	6.75	0.00	35.40	11.04	6.75	0.00
32.85	11.04	6.75	0.00	35.45	11.04	6.75	0.00
32.90	11.04	6.75	0.00	35.50	11.04	6.75	0.00
32.95	11.04	6.75	0.00	35.55	11.04	6.75	0.00
33.00	11.04	6.75	0.00	35.60	11.04	6.75	0.00
33.05	11.04	6.75	0.00	35.65	11.04	6.75	0.00
33.10	11.04	6.75	0.00	35.70	11.04	6.75	0.00
33.15	11.04	6.75	0.00	35.75	11.04	6.75	0.00
33.20	11.04	6.75	0.00	35.80	11.04	6.75	0.00
33.25	11.04	6.75	0.00	35.85	11.04	6.75	0.00
33.30	11.04	6.75	0.00	35.90	11.04	6.75	0.00
33.35	11.04	6.75	0.00	35.95	11.04	6.75	0.00
33.40	11.04	6.75	0.00	36.00	11.04	6.75	0.00
33.45	11.04	6.75	0.00	36.05	11.04	6.75	0.00
33.50	11.04	6.75	0.00	36.10	11.04	6.75	0.00
33.55	11.04	6.75	0.00	36.15	11.04	6.75	0.00
33.60	11.04	6.75	0.00	36.20	11.04	6.75	0.00
33.65	11.04	6.75	0.00	36.25	11.04	6.75	0.00
33.70	11.04	6.75	0.00	36.30	11.04	6.75	0.00
33.75	11.04	6.75	0.00	36.35	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.75	0.00	39.00	11.04	6.75	0.00
36.45	11.04	6.75	0.00	39.05	11.04	6.75	0.00
36.50	11.04	6.75	0.00	39.10	11.04	6.75	0.00
36.55	11.04	6.75	0.00	39.15	11.04	6.75	0.00
36.60	11.04	6.75	0.00	39.20	11.04	6.75	0.00
36.65	11.04	6.75	0.00	39.25	11.04	6.75	0.00
36.70	11.04	6.75	0.00	39.30	11.04	6.75	0.00
36.75	11.04	6.75	0.00	39.35	11.04	6.75	0.00
36.80	11.04	6.75	0.00	39.40	11.04	6.75	0.00
36.85	11.04	6.75	0.00	39.45	11.04	6.75	0.00
36.90	11.04	6.75	0.00	39.50	11.04	6.75	0.00
36.95	11.04	6.75	0.00	39.55	11.04	6.75	0.00
37.00	11.04	6.75	0.00	39.60	11.04	6.75	0.00
37.05	11.04	6.75	0.00	39.65	11.04	6.75	0.00
37.10	11.04	6.75	0.00	39.70	11.04	6.75	0.00
37.15	11.04	6.75	0.00	39.75	11.04	6.75	0.00
37.20	11.04	6.75	0.00	39.80	11.04	6.75	0.00
37.25	11.04	6.75	0.00	39.85	11.04	6.75	0.00
37.30	11.04	6.75	0.00	39.90	11.04	6.75	0.00
37.35	11.04	6.75	0.00	39.95	11.04	6.75	0.00
37.40	11.04	6.75	0.00	40.00	11.04	6.75	0.00
37.45	11.04	6.75	0.00				
37.50	11.04	6.75	0.00				
37.55	11.04	6.75	0.00				
37.60	11.04	6.75	0.00				
37.65	11.04	6.75	0.00				
37.70	11.04	6.75	0.00				
37.75	11.04	6.75	0.00				
37.80	11.04	6.75	0.00				
37.85	11.04	6.75	0.00				
37.90	11.04	6.75	0.00				
37.95	11.04	6.75	0.00				
38.00	11.04	6.75	0.00				
38.05	11.04	6.75	0.00				
38.10	11.04	6.75	0.00				
38.15	11.04	6.75	0.00				
38.20	11.04	6.75	0.00				
38.25	11.04	6.75	0.00				
38.30	11.04	6.75	0.00				
38.35	11.04	6.75	0.00				
38.40	11.04	6.75	0.00				
38.45	11.04	6.75	0.00				
38.50	11.04	6.75	0.00				
38.55	11.04	6.75	0.00				
38.60	11.04	6.75	0.00				
38.65	11.04	6.75	0.00				
38.70	11.04	6.75	0.00				
38.75	11.04	6.75	0.00				
38.80	11.04	6.75	0.00				
38.85	11.04	6.75	0.00				
38.90	11.04	6.75	0.00				
38.95	11.04	6.75	0.00				

Summary for Subcatchment X-2P: XDA-2 (pervious)

Runoff = 301.66 cfs @ 12.18 hrs, Volume= 23.819 af, Depth= 8.12"

Routed to Link XDA-2 : Existing Drainage Area #2

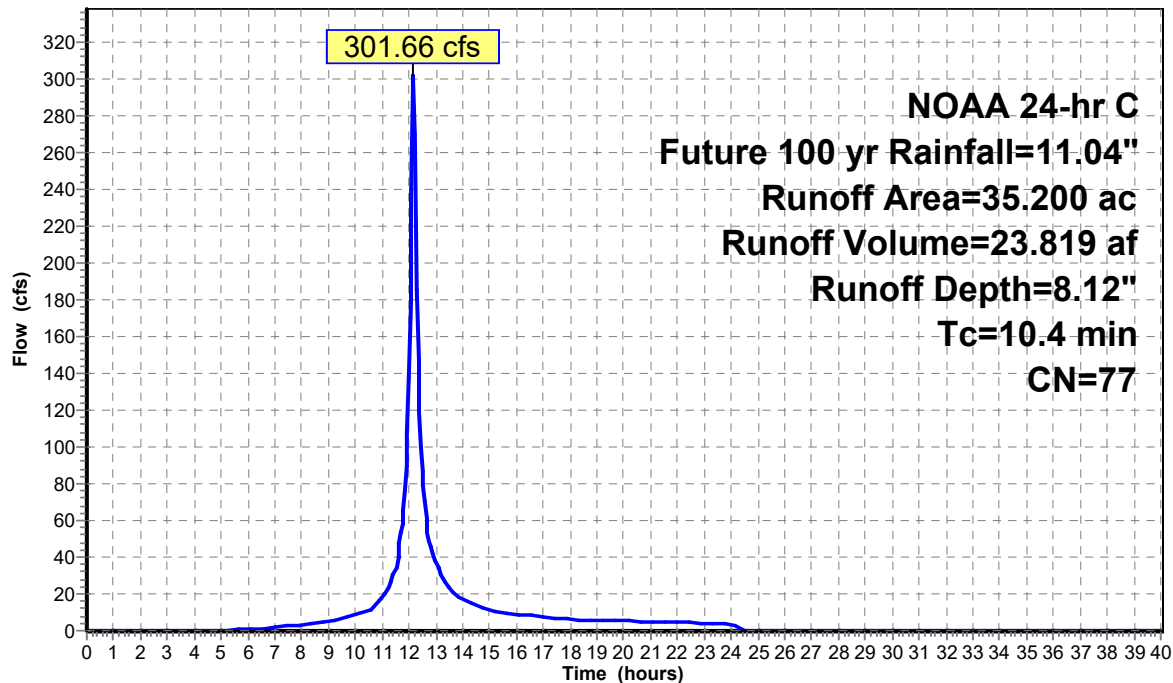
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.4					Direct Entry,

Subcatchment X-2P: XDA-2 (pervious)

Hydrograph



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.01
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.03
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.05
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.08
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.11
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.14
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.17
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.20
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.23
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.26
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.30
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.33
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.36
2.55	0.33	0.00	0.00	5.15	0.73	0.01	0.39

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.01	0.42	7.80	1.27	0.12	2.85
5.25	0.74	0.01	0.45	7.85	1.28	0.13	2.91
5.30	0.75	0.01	0.48	7.90	1.30	0.13	2.98
5.35	0.76	0.01	0.51	7.95	1.31	0.14	3.05
5.40	0.77	0.01	0.55	8.00	1.32	0.14	3.13
5.45	0.78	0.01	0.58	8.05	1.34	0.15	3.20
5.50	0.79	0.01	0.61	8.10	1.35	0.15	3.27
5.55	0.80	0.01	0.64	8.15	1.36	0.16	3.34
5.60	0.80	0.01	0.67	8.20	1.38	0.16	3.41
5.65	0.81	0.01	0.70	8.25	1.39	0.17	3.48
5.70	0.82	0.02	0.74	8.30	1.40	0.17	3.56
5.75	0.83	0.02	0.77	8.35	1.42	0.18	3.63
5.80	0.84	0.02	0.80	8.40	1.43	0.18	3.70
5.85	0.85	0.02	0.83	8.45	1.45	0.19	3.77
5.90	0.86	0.02	0.86	8.50	1.46	0.19	3.85
5.95	0.87	0.02	0.90	8.55	1.48	0.20	3.93
6.00	0.87	0.02	0.93	8.60	1.49	0.21	4.01
6.05	0.88	0.03	0.96	8.65	1.51	0.21	4.08
6.10	0.89	0.03	1.00	8.70	1.52	0.22	4.16
6.15	0.90	0.03	1.03	8.75	1.54	0.22	4.24
6.20	0.91	0.03	1.08	8.80	1.55	0.23	4.32
6.25	0.92	0.03	1.12	8.85	1.57	0.24	4.40
6.30	0.93	0.03	1.16	8.90	1.58	0.24	4.47
6.35	0.94	0.04	1.21	8.95	1.60	0.25	4.55
6.40	0.95	0.04	1.25	9.00	1.61	0.26	4.64
6.45	0.96	0.04	1.30	9.05	1.63	0.26	4.73
6.50	0.97	0.04	1.35	9.10	1.64	0.27	4.85
6.55	0.98	0.04	1.40	9.15	1.66	0.28	4.99
6.60	0.99	0.05	1.44	9.20	1.68	0.29	5.15
6.65	1.00	0.05	1.49	9.25	1.70	0.30	5.33
6.70	1.01	0.05	1.54	9.30	1.72	0.30	5.52
6.75	1.02	0.05	1.60	9.35	1.73	0.31	5.71
6.80	1.03	0.06	1.65	9.40	1.75	0.32	5.91
6.85	1.04	0.06	1.70	9.45	1.77	0.33	6.10
6.90	1.05	0.06	1.75	9.50	1.79	0.34	6.30
6.95	1.07	0.06	1.81	9.55	1.81	0.35	6.50
7.00	1.08	0.07	1.86	9.60	1.83	0.36	6.71
7.05	1.09	0.07	1.92	9.65	1.85	0.37	6.93
7.10	1.10	0.07	1.98	9.70	1.88	0.38	7.14
7.15	1.11	0.08	2.04	9.75	1.90	0.39	7.35
7.20	1.12	0.08	2.10	9.80	1.92	0.41	7.57
7.25	1.13	0.08	2.15	9.85	1.94	0.42	7.79
7.30	1.15	0.09	2.21	9.90	1.97	0.43	8.02
7.35	1.16	0.09	2.27	9.95	1.99	0.44	8.26
7.40	1.17	0.09	2.33	10.00	2.01	0.46	8.50
7.45	1.18	0.10	2.39	10.05	2.04	0.47	8.73
7.50	1.19	0.10	2.46	10.10	2.06	0.48	8.96
7.55	1.21	0.10	2.52	10.15	2.09	0.50	9.20
7.60	1.22	0.11	2.59	10.20	2.11	0.51	9.45
7.65	1.23	0.11	2.65	10.25	2.14	0.52	9.71
7.70	1.24	0.12	2.71	10.30	2.17	0.54	9.96
7.75	1.26	0.12	2.78	10.35	2.19	0.56	10.21

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.57	10.47	13.00	8.39	5.63	36.80
10.45	2.25	0.59	10.72	13.05	8.43	5.67	34.86
10.50	2.28	0.60	10.99	13.10	8.48	5.71	32.93
10.55	2.31	0.62	11.30	13.15	8.52	5.75	31.09
10.60	2.34	0.64	11.75	13.20	8.56	5.79	29.49
10.65	2.37	0.66	12.35	13.25	8.60	5.82	28.18
10.70	2.41	0.68	13.05	13.30	8.63	5.86	27.00
10.75	2.44	0.71	13.80	13.35	8.67	5.89	25.90
10.80	2.48	0.73	14.59	13.40	8.70	5.92	24.84
10.85	2.52	0.75	15.42	13.45	8.73	5.95	23.80
10.90	2.56	0.78	16.26	13.50	8.76	5.98	22.75
10.95	2.61	0.81	17.11	13.55	8.79	6.01	21.73
11.00	2.65	0.84	17.98	13.60	8.82	6.03	20.69
11.05	2.70	0.87	18.90	13.65	8.85	6.06	19.71
11.10	2.75	0.90	20.05	13.70	8.87	6.08	18.94
11.15	2.80	0.94	21.41	13.75	8.90	6.11	18.42
11.20	2.86	0.98	22.92	13.80	8.93	6.13	18.02
11.25	2.92	1.02	24.49	13.85	8.95	6.15	17.69
11.30	2.98	1.06	26.13	13.90	8.98	6.18	17.40
11.35	3.05	1.11	27.80	13.95	9.00	6.20	17.13
11.40	3.12	1.15	29.54	14.00	9.03	6.22	16.85
11.45	3.19	1.20	31.29	14.05	9.05	6.25	16.58
11.50	3.26	1.26	32.99	14.10	9.07	6.27	16.30
11.55	3.37	1.34	35.14	14.15	9.10	6.29	16.03
11.60	3.49	1.42	40.00	14.20	9.12	6.31	15.77
11.65	3.60	1.51	47.14	14.25	9.14	6.33	15.51
11.70	3.72	1.60	53.43	14.30	9.16	6.35	15.24
11.75	3.88	1.72	58.46	14.35	9.19	6.37	14.96
11.80	4.04	1.85	65.63	14.40	9.21	6.39	14.69
11.85	4.27	2.02	75.87	14.45	9.23	6.41	14.42
11.90	4.49	2.20	89.59	14.50	9.25	6.43	14.15
11.95	4.88	2.52	107.56	14.55	9.27	6.45	13.89
12.00	5.26	2.84	136.61	14.60	9.29	6.47	13.62
12.05	5.91	3.40	178.10	14.65	9.31	6.48	13.34
12.10	6.55	3.96	235.84	14.70	9.32	6.50	13.06
12.15	6.77	4.16	293.51	14.75	9.34	6.52	12.79
12.20	7.00	4.36	295.75	14.80	9.36	6.54	12.52
12.25	7.16	4.51	242.15	14.85	9.38	6.55	12.26
12.30	7.32	4.65	185.44	14.90	9.40	6.57	11.99
12.35	7.44	4.76	146.61	14.95	9.41	6.58	11.71
12.40	7.55	4.87	119.39	15.00	9.43	6.60	11.43
12.45	7.67	4.97	99.77	15.05	9.44	6.61	11.16
12.50	7.78	5.07	86.98	15.10	9.46	6.63	10.89
12.55	7.85	5.14	79.00	15.15	9.47	6.64	10.64
12.60	7.92	5.20	70.46	15.20	9.49	6.66	10.44
12.65	7.99	5.26	60.60	15.25	9.50	6.67	10.29
12.70	8.06	5.33	53.04	15.30	9.52	6.68	10.18
12.75	8.12	5.38	48.53	15.35	9.53	6.70	10.09
12.80	8.18	5.44	45.43	15.40	9.55	6.71	10.02
12.85	8.24	5.49	42.98	15.45	9.56	6.73	9.95
12.90	8.29	5.54	40.81	15.50	9.58	6.74	9.88
12.95	8.34	5.59	38.79	15.55	9.59	6.75	9.80

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.77	9.73	18.20	10.20	7.32	5.99
15.65	9.62	6.78	9.66	18.25	10.21	7.33	5.96
15.70	9.64	6.79	9.59	18.30	10.22	7.34	5.93
15.75	9.65	6.81	9.51	18.35	10.23	7.35	5.91
15.80	9.66	6.82	9.43	18.40	10.24	7.36	5.89
15.85	9.68	6.83	9.36	18.45	10.24	7.37	5.87
15.90	9.69	6.84	9.29	18.50	10.25	7.37	5.85
15.95	9.70	6.86	9.23	18.55	10.26	7.38	5.83
16.00	9.72	6.87	9.16	18.60	10.27	7.39	5.81
16.05	9.73	6.88	9.08	18.65	10.28	7.40	5.79
16.10	9.74	6.89	9.01	18.70	10.29	7.41	5.78
16.15	9.76	6.91	8.94	18.75	10.30	7.41	5.76
16.20	9.77	6.92	8.88	18.80	10.30	7.42	5.74
16.25	9.78	6.93	8.81	18.85	10.31	7.43	5.72
16.30	9.80	6.94	8.73	18.90	10.32	7.44	5.70
16.35	9.81	6.96	8.65	18.95	10.33	7.45	5.69
16.40	9.82	6.97	8.57	19.00	10.34	7.45	5.67
16.45	9.83	6.98	8.51	19.05	10.35	7.46	5.65
16.50	9.85	6.99	8.44	19.10	10.35	7.47	5.63
16.55	9.86	7.00	8.36	19.15	10.36	7.48	5.61
16.60	9.87	7.01	8.28	19.20	10.37	7.49	5.60
16.65	9.88	7.02	8.22	19.25	10.38	7.49	5.58
16.70	9.89	7.04	8.15	19.30	10.39	7.50	5.56
16.75	9.91	7.05	8.08	19.35	10.40	7.51	5.54
16.80	9.92	7.06	8.00	19.40	10.40	7.52	5.52
16.85	9.93	7.07	7.92	19.45	10.41	7.52	5.50
16.90	9.94	7.08	7.85	19.50	10.42	7.53	5.49
16.95	9.95	7.09	7.78	19.55	10.43	7.54	5.47
17.00	9.96	7.10	7.72	19.60	10.44	7.55	5.45
17.05	9.97	7.11	7.65	19.65	10.44	7.56	5.43
17.10	9.99	7.12	7.58	19.70	10.45	7.56	5.41
17.15	10.00	7.13	7.50	19.75	10.46	7.57	5.40
17.20	10.01	7.14	7.43	19.80	10.47	7.58	5.39
17.25	10.02	7.15	7.36	19.85	10.48	7.59	5.38
17.30	10.03	7.16	7.28	19.90	10.48	7.59	5.36
17.35	10.04	7.17	7.20	19.95	10.49	7.60	5.34
17.40	10.05	7.18	7.12	20.00	10.50	7.61	5.31
17.45	10.06	7.19	7.05	20.05	10.51	7.61	5.29
17.50	10.07	7.20	6.99	20.10	10.52	7.62	5.27
17.55	10.08	7.21	6.92	20.15	10.52	7.63	5.25
17.60	10.09	7.22	6.85	20.20	10.53	7.64	5.23
17.65	10.10	7.23	6.77	20.25	10.54	7.64	5.21
17.70	10.11	7.24	6.70	20.30	10.55	7.65	5.20
17.75	10.12	7.25	6.63	20.35	10.55	7.66	5.18
17.80	10.13	7.26	6.55	20.40	10.56	7.67	5.16
17.85	10.14	7.27	6.48	20.45	10.57	7.67	5.14
17.90	10.15	7.27	6.41	20.50	10.58	7.68	5.12
17.95	10.16	7.28	6.33	20.55	10.58	7.69	5.11
18.00	10.17	7.29	6.26	20.60	10.59	7.69	5.09
18.05	10.17	7.30	6.19	20.65	10.60	7.70	5.09
18.10	10.18	7.31	6.11	20.70	10.61	7.71	5.07
18.15	10.19	7.32	6.05	20.75	10.61	7.72	5.05

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.72	5.02	23.40	10.97	8.05	4.07
20.85	10.63	7.73	5.00	23.45	10.97	8.06	4.06
20.90	10.64	7.74	4.98	23.50	10.98	8.06	4.04
20.95	10.64	7.74	4.96	23.55	10.99	8.07	4.02
21.00	10.65	7.75	4.94	23.60	10.99	8.07	3.99
21.05	10.66	7.76	4.92	23.65	11.00	8.08	3.97
21.10	10.66	7.76	4.90	23.70	11.00	8.08	3.96
21.15	10.67	7.77	4.89	23.75	11.01	8.09	3.95
21.20	10.68	7.78	4.87	23.80	11.01	8.10	3.93
21.25	10.69	7.78	4.85	23.85	11.02	8.10	3.91
21.30	10.69	7.79	4.84	23.90	11.03	8.11	3.88
21.35	10.70	7.80	4.83	23.95	11.03	8.11	3.89
21.40	10.71	7.80	4.81	24.00	11.04	8.12	4.04
21.45	10.71	7.81	4.79	24.05	11.04	8.12	4.17
21.50	10.72	7.82	4.77	24.10	11.04	8.12	3.53
21.55	10.73	7.82	4.74	24.15	11.04	8.12	2.20
21.60	10.74	7.83	4.72	24.20	11.04	8.12	1.11
21.65	10.74	7.84	4.70	24.25	11.04	8.12	0.55
21.70	10.75	7.84	4.69	24.30	11.04	8.12	0.27
21.75	10.76	7.85	4.67	24.35	11.04	8.12	0.13
21.80	10.76	7.86	4.66	24.40	11.04	8.12	0.06
21.85	10.77	7.86	4.65	24.45	11.04	8.12	0.03
21.90	10.78	7.87	4.63	24.50	11.04	8.12	0.01
21.95	10.78	7.88	4.61	24.55	11.04	8.12	0.00
22.00	10.79	7.88	4.58	24.60	11.04	8.12	0.00
22.05	10.80	7.89	4.56	24.65	11.04	8.12	0.00
22.10	10.80	7.90	4.54	24.70	11.04	8.12	0.00
22.15	10.81	7.90	4.52	24.75	11.04	8.12	0.00
22.20	10.82	7.91	4.51	24.80	11.04	8.12	0.00
22.25	10.82	7.91	4.50	24.85	11.04	8.12	0.00
22.30	10.83	7.92	4.49	24.90	11.04	8.12	0.00
22.35	10.84	7.93	4.46	24.95	11.04	8.12	0.00
22.40	10.84	7.93	4.44	25.00	11.04	8.12	0.00
22.45	10.85	7.94	4.41	25.05	11.04	8.12	0.00
22.50	10.86	7.95	4.39	25.10	11.04	8.12	0.00
22.55	10.86	7.95	4.38	25.15	11.04	8.12	0.00
22.60	10.87	7.96	4.36	25.20	11.04	8.12	0.00
22.65	10.88	7.96	4.35	25.25	11.04	8.12	0.00
22.70	10.88	7.97	4.34	25.30	11.04	8.12	0.00
22.75	10.89	7.98	4.31	25.35	11.04	8.12	0.00
22.80	10.89	7.98	4.29	25.40	11.04	8.12	0.00
22.85	10.90	7.99	4.27	25.45	11.04	8.12	0.00
22.90	10.91	7.99	4.25	25.50	11.04	8.12	0.00
22.95	10.91	8.00	4.23	25.55	11.04	8.12	0.00
23.00	10.92	8.01	4.22	25.60	11.04	8.12	0.00
23.05	10.93	8.01	4.21	25.65	11.04	8.12	0.00
23.10	10.93	8.02	4.19	25.70	11.04	8.12	0.00
23.15	10.94	8.02	4.17	25.75	11.04	8.12	0.00
23.20	10.94	8.03	4.14	25.80	11.04	8.12	0.00
23.25	10.95	8.03	4.12	25.85	11.04	8.12	0.00
23.30	10.96	8.04	4.10	25.90	11.04	8.12	0.00
23.35	10.96	8.05	4.08	25.95	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	8.12	0.00	28.60	11.04	8.12	0.00
26.05	11.04	8.12	0.00	28.65	11.04	8.12	0.00
26.10	11.04	8.12	0.00	28.70	11.04	8.12	0.00
26.15	11.04	8.12	0.00	28.75	11.04	8.12	0.00
26.20	11.04	8.12	0.00	28.80	11.04	8.12	0.00
26.25	11.04	8.12	0.00	28.85	11.04	8.12	0.00
26.30	11.04	8.12	0.00	28.90	11.04	8.12	0.00
26.35	11.04	8.12	0.00	28.95	11.04	8.12	0.00
26.40	11.04	8.12	0.00	29.00	11.04	8.12	0.00
26.45	11.04	8.12	0.00	29.05	11.04	8.12	0.00
26.50	11.04	8.12	0.00	29.10	11.04	8.12	0.00
26.55	11.04	8.12	0.00	29.15	11.04	8.12	0.00
26.60	11.04	8.12	0.00	29.20	11.04	8.12	0.00
26.65	11.04	8.12	0.00	29.25	11.04	8.12	0.00
26.70	11.04	8.12	0.00	29.30	11.04	8.12	0.00
26.75	11.04	8.12	0.00	29.35	11.04	8.12	0.00
26.80	11.04	8.12	0.00	29.40	11.04	8.12	0.00
26.85	11.04	8.12	0.00	29.45	11.04	8.12	0.00
26.90	11.04	8.12	0.00	29.50	11.04	8.12	0.00
26.95	11.04	8.12	0.00	29.55	11.04	8.12	0.00
27.00	11.04	8.12	0.00	29.60	11.04	8.12	0.00
27.05	11.04	8.12	0.00	29.65	11.04	8.12	0.00
27.10	11.04	8.12	0.00	29.70	11.04	8.12	0.00
27.15	11.04	8.12	0.00	29.75	11.04	8.12	0.00
27.20	11.04	8.12	0.00	29.80	11.04	8.12	0.00
27.25	11.04	8.12	0.00	29.85	11.04	8.12	0.00
27.30	11.04	8.12	0.00	29.90	11.04	8.12	0.00
27.35	11.04	8.12	0.00	29.95	11.04	8.12	0.00
27.40	11.04	8.12	0.00	30.00	11.04	8.12	0.00
27.45	11.04	8.12	0.00	30.05	11.04	8.12	0.00
27.50	11.04	8.12	0.00	30.10	11.04	8.12	0.00
27.55	11.04	8.12	0.00	30.15	11.04	8.12	0.00
27.60	11.04	8.12	0.00	30.20	11.04	8.12	0.00
27.65	11.04	8.12	0.00	30.25	11.04	8.12	0.00
27.70	11.04	8.12	0.00	30.30	11.04	8.12	0.00
27.75	11.04	8.12	0.00	30.35	11.04	8.12	0.00
27.80	11.04	8.12	0.00	30.40	11.04	8.12	0.00
27.85	11.04	8.12	0.00	30.45	11.04	8.12	0.00
27.90	11.04	8.12	0.00	30.50	11.04	8.12	0.00
27.95	11.04	8.12	0.00	30.55	11.04	8.12	0.00
28.00	11.04	8.12	0.00	30.60	11.04	8.12	0.00
28.05	11.04	8.12	0.00	30.65	11.04	8.12	0.00
28.10	11.04	8.12	0.00	30.70	11.04	8.12	0.00
28.15	11.04	8.12	0.00	30.75	11.04	8.12	0.00
28.20	11.04	8.12	0.00	30.80	11.04	8.12	0.00
28.25	11.04	8.12	0.00	30.85	11.04	8.12	0.00
28.30	11.04	8.12	0.00	30.90	11.04	8.12	0.00
28.35	11.04	8.12	0.00	30.95	11.04	8.12	0.00
28.40	11.04	8.12	0.00	31.00	11.04	8.12	0.00
28.45	11.04	8.12	0.00	31.05	11.04	8.12	0.00
28.50	11.04	8.12	0.00	31.10	11.04	8.12	0.00
28.55	11.04	8.12	0.00	31.15	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	8.12	0.00	33.80	11.04	8.12	0.00
31.25	11.04	8.12	0.00	33.85	11.04	8.12	0.00
31.30	11.04	8.12	0.00	33.90	11.04	8.12	0.00
31.35	11.04	8.12	0.00	33.95	11.04	8.12	0.00
31.40	11.04	8.12	0.00	34.00	11.04	8.12	0.00
31.45	11.04	8.12	0.00	34.05	11.04	8.12	0.00
31.50	11.04	8.12	0.00	34.10	11.04	8.12	0.00
31.55	11.04	8.12	0.00	34.15	11.04	8.12	0.00
31.60	11.04	8.12	0.00	34.20	11.04	8.12	0.00
31.65	11.04	8.12	0.00	34.25	11.04	8.12	0.00
31.70	11.04	8.12	0.00	34.30	11.04	8.12	0.00
31.75	11.04	8.12	0.00	34.35	11.04	8.12	0.00
31.80	11.04	8.12	0.00	34.40	11.04	8.12	0.00
31.85	11.04	8.12	0.00	34.45	11.04	8.12	0.00
31.90	11.04	8.12	0.00	34.50	11.04	8.12	0.00
31.95	11.04	8.12	0.00	34.55	11.04	8.12	0.00
32.00	11.04	8.12	0.00	34.60	11.04	8.12	0.00
32.05	11.04	8.12	0.00	34.65	11.04	8.12	0.00
32.10	11.04	8.12	0.00	34.70	11.04	8.12	0.00
32.15	11.04	8.12	0.00	34.75	11.04	8.12	0.00
32.20	11.04	8.12	0.00	34.80	11.04	8.12	0.00
32.25	11.04	8.12	0.00	34.85	11.04	8.12	0.00
32.30	11.04	8.12	0.00	34.90	11.04	8.12	0.00
32.35	11.04	8.12	0.00	34.95	11.04	8.12	0.00
32.40	11.04	8.12	0.00	35.00	11.04	8.12	0.00
32.45	11.04	8.12	0.00	35.05	11.04	8.12	0.00
32.50	11.04	8.12	0.00	35.10	11.04	8.12	0.00
32.55	11.04	8.12	0.00	35.15	11.04	8.12	0.00
32.60	11.04	8.12	0.00	35.20	11.04	8.12	0.00
32.65	11.04	8.12	0.00	35.25	11.04	8.12	0.00
32.70	11.04	8.12	0.00	35.30	11.04	8.12	0.00
32.75	11.04	8.12	0.00	35.35	11.04	8.12	0.00
32.80	11.04	8.12	0.00	35.40	11.04	8.12	0.00
32.85	11.04	8.12	0.00	35.45	11.04	8.12	0.00
32.90	11.04	8.12	0.00	35.50	11.04	8.12	0.00
32.95	11.04	8.12	0.00	35.55	11.04	8.12	0.00
33.00	11.04	8.12	0.00	35.60	11.04	8.12	0.00
33.05	11.04	8.12	0.00	35.65	11.04	8.12	0.00
33.10	11.04	8.12	0.00	35.70	11.04	8.12	0.00
33.15	11.04	8.12	0.00	35.75	11.04	8.12	0.00
33.20	11.04	8.12	0.00	35.80	11.04	8.12	0.00
33.25	11.04	8.12	0.00	35.85	11.04	8.12	0.00
33.30	11.04	8.12	0.00	35.90	11.04	8.12	0.00
33.35	11.04	8.12	0.00	35.95	11.04	8.12	0.00
33.40	11.04	8.12	0.00	36.00	11.04	8.12	0.00
33.45	11.04	8.12	0.00	36.05	11.04	8.12	0.00
33.50	11.04	8.12	0.00	36.10	11.04	8.12	0.00
33.55	11.04	8.12	0.00	36.15	11.04	8.12	0.00
33.60	11.04	8.12	0.00	36.20	11.04	8.12	0.00
33.65	11.04	8.12	0.00	36.25	11.04	8.12	0.00
33.70	11.04	8.12	0.00	36.30	11.04	8.12	0.00
33.75	11.04	8.12	0.00	36.35	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	8.12	0.00	39.00	11.04	8.12	0.00
36.45	11.04	8.12	0.00	39.05	11.04	8.12	0.00
36.50	11.04	8.12	0.00	39.10	11.04	8.12	0.00
36.55	11.04	8.12	0.00	39.15	11.04	8.12	0.00
36.60	11.04	8.12	0.00	39.20	11.04	8.12	0.00
36.65	11.04	8.12	0.00	39.25	11.04	8.12	0.00
36.70	11.04	8.12	0.00	39.30	11.04	8.12	0.00
36.75	11.04	8.12	0.00	39.35	11.04	8.12	0.00
36.80	11.04	8.12	0.00	39.40	11.04	8.12	0.00
36.85	11.04	8.12	0.00	39.45	11.04	8.12	0.00
36.90	11.04	8.12	0.00	39.50	11.04	8.12	0.00
36.95	11.04	8.12	0.00	39.55	11.04	8.12	0.00
37.00	11.04	8.12	0.00	39.60	11.04	8.12	0.00
37.05	11.04	8.12	0.00	39.65	11.04	8.12	0.00
37.10	11.04	8.12	0.00	39.70	11.04	8.12	0.00
37.15	11.04	8.12	0.00	39.75	11.04	8.12	0.00
37.20	11.04	8.12	0.00	39.80	11.04	8.12	0.00
37.25	11.04	8.12	0.00	39.85	11.04	8.12	0.00
37.30	11.04	8.12	0.00	39.90	11.04	8.12	0.00
37.35	11.04	8.12	0.00	39.95	11.04	8.12	0.00
37.40	11.04	8.12	0.00	40.00	11.04	8.12	0.00
37.45	11.04	8.12	0.00				
37.50	11.04	8.12	0.00				
37.55	11.04	8.12	0.00				
37.60	11.04	8.12	0.00				
37.65	11.04	8.12	0.00				
37.70	11.04	8.12	0.00				
37.75	11.04	8.12	0.00				
37.80	11.04	8.12	0.00				
37.85	11.04	8.12	0.00				
37.90	11.04	8.12	0.00				
37.95	11.04	8.12	0.00				
38.00	11.04	8.12	0.00				
38.05	11.04	8.12	0.00				
38.10	11.04	8.12	0.00				
38.15	11.04	8.12	0.00				
38.20	11.04	8.12	0.00				
38.25	11.04	8.12	0.00				
38.30	11.04	8.12	0.00				
38.35	11.04	8.12	0.00				
38.40	11.04	8.12	0.00				
38.45	11.04	8.12	0.00				
38.50	11.04	8.12	0.00				
38.55	11.04	8.12	0.00				
38.60	11.04	8.12	0.00				
38.65	11.04	8.12	0.00				
38.70	11.04	8.12	0.00				
38.75	11.04	8.12	0.00				
38.80	11.04	8.12	0.00				
38.85	11.04	8.12	0.00				
38.90	11.04	8.12	0.00				
38.95	11.04	8.12	0.00				

Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 247.38 cfs @ 12.09 hrs, Volume= 14.727 af, Depth= 7.99"

Routed to Link XDA-3 : Existing Drainage Area #3

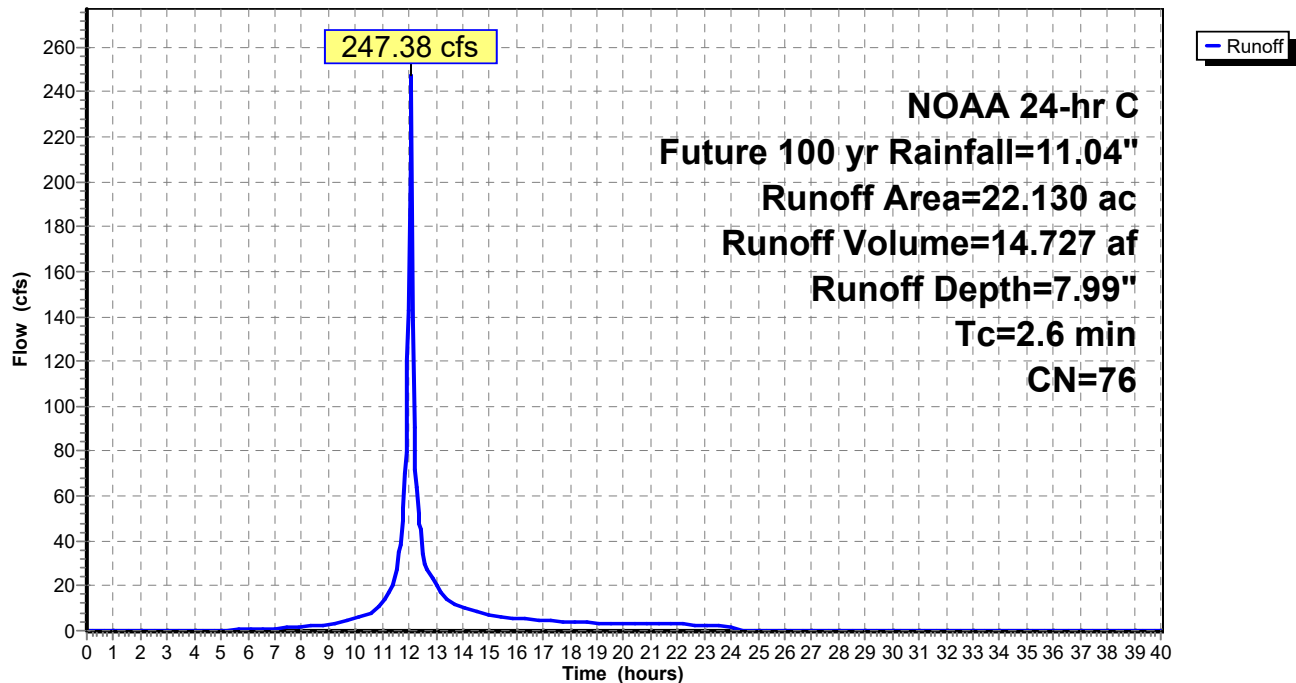
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					Direct Entry,

Subcatchment X-3P: XDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.01
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.03
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.05
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.07
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.09
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.11
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.13
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.15
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.17
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.18
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.20

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.22	7.80	1.27	0.11	1.74
5.25	0.74	0.00	0.24	7.85	1.28	0.11	1.79
5.30	0.75	0.00	0.26	7.90	1.30	0.12	1.83
5.35	0.76	0.01	0.28	7.95	1.31	0.12	1.88
5.40	0.77	0.01	0.30	8.00	1.32	0.12	1.92
5.45	0.78	0.01	0.32	8.05	1.34	0.13	1.96
5.50	0.79	0.01	0.34	8.10	1.35	0.13	2.00
5.55	0.80	0.01	0.36	8.15	1.36	0.14	2.06
5.60	0.80	0.01	0.38	8.20	1.38	0.14	2.10
5.65	0.81	0.01	0.40	8.25	1.39	0.15	2.14
5.70	0.82	0.01	0.42	8.30	1.40	0.15	2.18
5.75	0.83	0.01	0.44	8.35	1.42	0.16	2.23
5.80	0.84	0.01	0.45	8.40	1.43	0.16	2.27
5.85	0.85	0.01	0.47	8.45	1.45	0.17	2.33
5.90	0.86	0.02	0.49	8.50	1.46	0.17	2.38
5.95	0.87	0.02	0.51	8.55	1.48	0.18	2.42
6.00	0.87	0.02	0.53	8.60	1.49	0.18	2.46
6.05	0.88	0.02	0.56	8.65	1.51	0.19	2.52
6.10	0.89	0.02	0.58	8.70	1.52	0.20	2.57
6.15	0.90	0.02	0.61	8.75	1.54	0.20	2.62
6.20	0.91	0.02	0.64	8.80	1.55	0.21	2.66
6.25	0.92	0.02	0.67	8.85	1.57	0.21	2.71
6.30	0.93	0.03	0.69	8.90	1.58	0.22	2.76
6.35	0.94	0.03	0.72	8.95	1.60	0.23	2.82
6.40	0.95	0.03	0.75	9.00	1.61	0.23	2.87
6.45	0.96	0.03	0.78	9.05	1.63	0.24	3.00
6.50	0.97	0.03	0.81	9.10	1.64	0.25	3.08
6.55	0.98	0.03	0.84	9.15	1.66	0.25	3.22
6.60	0.99	0.04	0.87	9.20	1.68	0.26	3.30
6.65	1.00	0.04	0.90	9.25	1.70	0.27	3.46
6.70	1.01	0.04	0.93	9.30	1.72	0.28	3.55
6.75	1.02	0.04	0.96	9.35	1.73	0.29	3.69
6.80	1.03	0.05	0.99	9.40	1.75	0.29	3.78
6.85	1.04	0.05	1.03	9.45	1.77	0.30	3.94
6.90	1.05	0.05	1.06	9.50	1.79	0.31	4.04
6.95	1.07	0.05	1.10	9.55	1.81	0.32	4.20
7.00	1.08	0.06	1.13	9.60	1.83	0.33	4.31
7.05	1.09	0.06	1.17	9.65	1.85	0.34	4.47
7.10	1.10	0.06	1.20	9.70	1.88	0.35	4.57
7.15	1.11	0.06	1.24	9.75	1.90	0.36	4.74
7.20	1.12	0.07	1.27	9.80	1.92	0.37	4.84
7.25	1.13	0.07	1.31	9.85	1.94	0.38	5.03
7.30	1.15	0.07	1.34	9.90	1.97	0.40	5.14
7.35	1.16	0.08	1.39	9.95	1.99	0.41	5.31
7.40	1.17	0.08	1.42	10.00	2.01	0.42	5.42
7.45	1.18	0.08	1.47	10.05	2.04	0.43	5.61
7.50	1.19	0.09	1.50	10.10	2.06	0.45	5.73
7.55	1.21	0.09	1.54	10.15	2.09	0.46	5.93
7.60	1.22	0.09	1.57	10.20	2.11	0.47	6.05
7.65	1.23	0.10	1.63	10.25	2.14	0.49	6.23
7.70	1.24	0.10	1.66	10.30	2.17	0.50	6.35
7.75	1.26	0.10	1.71	10.35	2.19	0.52	6.55

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.53	6.68	13.00	8.39	5.51	20.29
10.45	2.25	0.55	6.89	13.05	8.43	5.55	18.65
10.50	2.28	0.56	7.04	13.10	8.48	5.59	17.93
10.55	2.31	0.58	7.64	13.15	8.52	5.63	17.03
10.60	2.34	0.60	7.97	13.20	8.56	5.67	16.62
10.65	2.37	0.62	8.60	13.25	8.60	5.70	15.75
10.70	2.41	0.64	8.95	13.30	8.63	5.74	15.35
10.75	2.44	0.66	9.62	13.35	8.67	5.77	14.46
10.80	2.48	0.68	9.98	13.40	8.70	5.80	14.05
10.85	2.52	0.71	10.67	13.45	8.73	5.83	13.18
10.90	2.56	0.73	11.05	13.50	8.76	5.86	12.77
10.95	2.61	0.76	11.76	13.55	8.79	5.88	11.89
11.00	2.65	0.79	12.19	13.60	8.82	5.91	11.51
11.05	2.70	0.82	13.44	13.65	8.85	5.93	11.25
11.10	2.75	0.85	14.12	13.70	8.87	5.96	11.14
11.15	2.80	0.89	15.44	13.75	8.90	5.98	10.91
11.20	2.86	0.92	16.17	13.80	8.93	6.01	10.81
11.25	2.92	0.96	17.53	13.85	8.95	6.03	10.59
11.30	2.98	1.00	18.29	13.90	8.98	6.06	10.49
11.35	3.05	1.05	19.73	13.95	9.00	6.08	10.25
11.40	3.12	1.10	20.52	14.00	9.03	6.10	10.14
11.45	3.19	1.15	21.71	14.05	9.05	6.12	9.91
11.50	3.26	1.20	22.68	14.10	9.07	6.14	9.80
11.55	3.37	1.27	31.28	14.15	9.10	6.17	9.59
11.60	3.49	1.35	35.47	14.20	9.12	6.19	9.49
11.65	3.60	1.44	37.48	14.25	9.14	6.21	9.24
11.70	3.72	1.53	38.92	14.30	9.16	6.23	9.13
11.75	3.88	1.65	49.26	14.35	9.19	6.25	8.90
11.80	4.04	1.77	54.88	14.40	9.21	6.27	8.79
11.85	4.27	1.94	70.44	14.45	9.23	6.29	8.58
11.90	4.49	2.12	79.60	14.50	9.25	6.31	8.48
11.95	4.88	2.43	120.35	14.55	9.27	6.32	8.23
12.00	5.26	2.75	142.79	14.60	9.29	6.34	8.12
12.05	5.91	3.30	212.29	14.65	9.31	6.36	7.88
12.10	6.55	3.86	242.30	14.70	9.32	6.38	7.78
12.15	6.77	4.06	138.48	14.75	9.34	6.39	7.56
12.20	7.00	4.26	90.75	14.80	9.36	6.41	7.46
12.25	7.16	4.40	71.78	14.85	9.38	6.43	7.21
12.30	7.32	4.54	64.31	14.90	9.40	6.44	7.10
12.35	7.44	4.65	52.47	14.95	9.41	6.46	6.86
12.40	7.55	4.75	47.44	15.00	9.43	6.47	6.76
12.45	7.67	4.85	45.68	15.05	9.44	6.49	6.54
12.50	7.78	4.96	44.68	15.10	9.46	6.50	6.44
12.55	7.85	5.02	34.11	15.15	9.47	6.52	6.36
12.60	7.92	5.09	29.43	15.20	9.49	6.53	6.33
12.65	7.99	5.15	27.96	15.25	9.50	6.54	6.27
12.70	8.06	5.21	27.39	15.30	9.52	6.56	6.24
12.75	8.12	5.27	25.78	15.35	9.53	6.57	6.19
12.80	8.18	5.32	25.04	15.40	9.55	6.59	6.17
12.85	8.24	5.37	23.42	15.45	9.56	6.60	6.09
12.90	8.29	5.42	22.68	15.50	9.58	6.61	6.06
12.95	8.34	5.47	21.04	15.55	9.59	6.63	6.01

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.64	5.99	18.20	10.20	7.19	3.70
15.65	9.62	6.65	5.92	18.25	10.21	7.20	3.68
15.70	9.64	6.67	5.88	18.30	10.22	7.21	3.68
15.75	9.65	6.68	5.82	18.35	10.23	7.22	3.66
15.80	9.66	6.69	5.79	18.40	10.24	7.23	3.65
15.85	9.68	6.70	5.74	18.45	10.24	7.24	3.64
15.90	9.69	6.72	5.72	18.50	10.25	7.24	3.63
15.95	9.70	6.73	5.65	18.55	10.26	7.25	3.62
16.00	9.72	6.74	5.61	18.60	10.27	7.26	3.61
16.05	9.73	6.75	5.56	18.65	10.28	7.27	3.59
16.10	9.74	6.77	5.54	18.70	10.29	7.28	3.59
16.15	9.76	6.78	5.48	18.75	10.30	7.28	3.57
16.20	9.77	6.79	5.45	18.80	10.30	7.29	3.56
16.25	9.78	6.80	5.37	18.85	10.31	7.30	3.55
16.30	9.80	6.82	5.34	18.90	10.32	7.31	3.54
16.35	9.81	6.83	5.29	18.95	10.33	7.32	3.53
16.40	9.82	6.84	5.27	19.00	10.34	7.32	3.52
16.45	9.83	6.85	5.19	19.05	10.35	7.33	3.50
16.50	9.85	6.86	5.16	19.10	10.35	7.34	3.50
16.55	9.86	6.87	5.11	19.15	10.36	7.35	3.48
16.60	9.87	6.89	5.09	19.20	10.37	7.35	3.47
16.65	9.88	6.90	5.03	19.25	10.38	7.36	3.46
16.70	9.89	6.91	5.00	19.30	10.39	7.37	3.45
16.75	9.91	6.92	4.92	19.35	10.40	7.38	3.44
16.80	9.92	6.93	4.89	19.40	10.40	7.39	3.43
16.85	9.93	6.94	4.84	19.45	10.41	7.39	3.41
16.90	9.94	6.95	4.82	19.50	10.42	7.40	3.41
16.95	9.95	6.96	4.75	19.55	10.43	7.41	3.39
17.00	9.96	6.97	4.73	19.60	10.44	7.42	3.38
17.05	9.97	6.98	4.66	19.65	10.44	7.42	3.37
17.10	9.99	6.99	4.64	19.70	10.45	7.43	3.36
17.15	10.00	7.00	4.57	19.75	10.46	7.44	3.36
17.20	10.01	7.01	4.54	19.80	10.47	7.45	3.36
17.25	10.02	7.02	4.47	19.85	10.48	7.45	3.33
17.30	10.03	7.03	4.43	19.90	10.48	7.46	3.32
17.35	10.04	7.04	4.38	19.95	10.49	7.47	3.30
17.40	10.05	7.05	4.36	20.00	10.50	7.48	3.29
17.45	10.06	7.06	4.30	20.05	10.51	7.48	3.28
17.50	10.07	7.07	4.27	20.10	10.52	7.49	3.27
17.55	10.08	7.08	4.21	20.15	10.52	7.50	3.25
17.60	10.09	7.09	4.18	20.20	10.53	7.50	3.25
17.65	10.10	7.10	4.12	20.25	10.54	7.51	3.23
17.70	10.11	7.11	4.09	20.30	10.55	7.52	3.22
17.75	10.12	7.12	4.02	20.35	10.55	7.53	3.21
17.80	10.13	7.13	4.00	20.40	10.56	7.53	3.20
17.85	10.14	7.14	3.93	20.45	10.57	7.54	3.19
17.90	10.15	7.14	3.90	20.50	10.58	7.55	3.18
17.95	10.16	7.15	3.84	20.55	10.58	7.56	3.18
18.00	10.17	7.16	3.81	20.60	10.59	7.56	3.18
18.05	10.17	7.17	3.75	20.65	10.60	7.57	3.15
18.10	10.18	7.18	3.72	20.70	10.61	7.58	3.13
18.15	10.19	7.19	3.71	20.75	10.61	7.58	3.12

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.59	3.11	23.40	10.97	7.92	2.54
20.85	10.63	7.60	3.09	23.45	10.97	7.92	2.51
20.90	10.64	7.60	3.09	23.50	10.98	7.93	2.49
20.95	10.64	7.61	3.07	23.55	10.99	7.93	2.48
21.00	10.65	7.62	3.06	23.60	10.99	7.94	2.47
21.05	10.66	7.62	3.05	23.65	11.00	7.95	2.47
21.10	10.66	7.63	3.04	23.70	11.00	7.95	2.47
21.15	10.67	7.64	3.03	23.75	11.01	7.96	2.44
21.20	10.68	7.65	3.02	23.80	11.01	7.96	2.42
21.25	10.69	7.65	3.02	23.85	11.02	7.97	2.41
21.30	10.69	7.66	3.02	23.90	11.03	7.97	2.42
21.35	10.70	7.67	2.99	23.95	11.03	7.98	2.80
21.40	10.71	7.67	2.97	24.00	11.04	7.99	2.90
21.45	10.71	7.68	2.96	24.05	11.04	7.99	0.93
21.50	10.72	7.69	2.95	24.10	11.04	7.99	0.05
21.55	10.73	7.69	2.93	24.15	11.04	7.99	0.00
21.60	10.74	7.70	2.93	24.20	11.04	7.99	0.00
21.65	10.74	7.70	2.91	24.25	11.04	7.99	0.00
21.70	10.75	7.71	2.91	24.30	11.04	7.99	0.00
21.75	10.76	7.72	2.91	24.35	11.04	7.99	0.00
21.80	10.76	7.72	2.90	24.40	11.04	7.99	0.00
21.85	10.77	7.73	2.87	24.45	11.04	7.99	0.00
21.90	10.78	7.74	2.86	24.50	11.04	7.99	0.00
21.95	10.78	7.74	2.84	24.55	11.04	7.99	0.00
22.00	10.79	7.75	2.84	24.60	11.04	7.99	0.00
22.05	10.80	7.76	2.82	24.65	11.04	7.99	0.00
22.10	10.80	7.76	2.81	24.70	11.04	7.99	0.00
22.15	10.81	7.77	2.81	24.75	11.04	7.99	0.00
22.20	10.82	7.77	2.81	24.80	11.04	7.99	0.00
22.25	10.82	7.78	2.78	24.85	11.04	7.99	0.00
22.30	10.83	7.79	2.77	24.90	11.04	7.99	0.00
22.35	10.84	7.79	2.75	24.95	11.04	7.99	0.00
22.40	10.84	7.80	2.74	25.00	11.04	7.99	0.00
22.45	10.85	7.81	2.73	25.05	11.04	7.99	0.00
22.50	10.86	7.81	2.72	25.10	11.04	7.99	0.00
22.55	10.86	7.82	2.72	25.15	11.04	7.99	0.00
22.60	10.87	7.82	2.72	25.20	11.04	7.99	0.00
22.65	10.88	7.83	2.69	25.25	11.04	7.99	0.00
22.70	10.88	7.84	2.68	25.30	11.04	7.99	0.00
22.75	10.89	7.84	2.66	25.35	11.04	7.99	0.00
22.80	10.89	7.85	2.65	25.40	11.04	7.99	0.00
22.85	10.90	7.85	2.64	25.45	11.04	7.99	0.00
22.90	10.91	7.86	2.63	25.50	11.04	7.99	0.00
22.95	10.91	7.87	2.63	25.55	11.04	7.99	0.00
23.00	10.92	7.87	2.63	25.60	11.04	7.99	0.00
23.05	10.93	7.88	2.60	25.65	11.04	7.99	0.00
23.10	10.93	7.88	2.58	25.70	11.04	7.99	0.00
23.15	10.94	7.89	2.57	25.75	11.04	7.99	0.00
23.20	10.94	7.89	2.56	25.80	11.04	7.99	0.00
23.25	10.95	7.90	2.54	25.85	11.04	7.99	0.00
23.30	10.96	7.91	2.54	25.90	11.04	7.99	0.00
23.35	10.96	7.91	2.54	25.95	11.04	7.99	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.99	0.00	28.60	11.04	7.99	0.00
26.05	11.04	7.99	0.00	28.65	11.04	7.99	0.00
26.10	11.04	7.99	0.00	28.70	11.04	7.99	0.00
26.15	11.04	7.99	0.00	28.75	11.04	7.99	0.00
26.20	11.04	7.99	0.00	28.80	11.04	7.99	0.00
26.25	11.04	7.99	0.00	28.85	11.04	7.99	0.00
26.30	11.04	7.99	0.00	28.90	11.04	7.99	0.00
26.35	11.04	7.99	0.00	28.95	11.04	7.99	0.00
26.40	11.04	7.99	0.00	29.00	11.04	7.99	0.00
26.45	11.04	7.99	0.00	29.05	11.04	7.99	0.00
26.50	11.04	7.99	0.00	29.10	11.04	7.99	0.00
26.55	11.04	7.99	0.00	29.15	11.04	7.99	0.00
26.60	11.04	7.99	0.00	29.20	11.04	7.99	0.00
26.65	11.04	7.99	0.00	29.25	11.04	7.99	0.00
26.70	11.04	7.99	0.00	29.30	11.04	7.99	0.00
26.75	11.04	7.99	0.00	29.35	11.04	7.99	0.00
26.80	11.04	7.99	0.00	29.40	11.04	7.99	0.00
26.85	11.04	7.99	0.00	29.45	11.04	7.99	0.00
26.90	11.04	7.99	0.00	29.50	11.04	7.99	0.00
26.95	11.04	7.99	0.00	29.55	11.04	7.99	0.00
27.00	11.04	7.99	0.00	29.60	11.04	7.99	0.00
27.05	11.04	7.99	0.00	29.65	11.04	7.99	0.00
27.10	11.04	7.99	0.00	29.70	11.04	7.99	0.00
27.15	11.04	7.99	0.00	29.75	11.04	7.99	0.00
27.20	11.04	7.99	0.00	29.80	11.04	7.99	0.00
27.25	11.04	7.99	0.00	29.85	11.04	7.99	0.00
27.30	11.04	7.99	0.00	29.90	11.04	7.99	0.00
27.35	11.04	7.99	0.00	29.95	11.04	7.99	0.00
27.40	11.04	7.99	0.00	30.00	11.04	7.99	0.00
27.45	11.04	7.99	0.00	30.05	11.04	7.99	0.00
27.50	11.04	7.99	0.00	30.10	11.04	7.99	0.00
27.55	11.04	7.99	0.00	30.15	11.04	7.99	0.00
27.60	11.04	7.99	0.00	30.20	11.04	7.99	0.00
27.65	11.04	7.99	0.00	30.25	11.04	7.99	0.00
27.70	11.04	7.99	0.00	30.30	11.04	7.99	0.00
27.75	11.04	7.99	0.00	30.35	11.04	7.99	0.00
27.80	11.04	7.99	0.00	30.40	11.04	7.99	0.00
27.85	11.04	7.99	0.00	30.45	11.04	7.99	0.00
27.90	11.04	7.99	0.00	30.50	11.04	7.99	0.00
27.95	11.04	7.99	0.00	30.55	11.04	7.99	0.00
28.00	11.04	7.99	0.00	30.60	11.04	7.99	0.00
28.05	11.04	7.99	0.00	30.65	11.04	7.99	0.00
28.10	11.04	7.99	0.00	30.70	11.04	7.99	0.00
28.15	11.04	7.99	0.00	30.75	11.04	7.99	0.00
28.20	11.04	7.99	0.00	30.80	11.04	7.99	0.00
28.25	11.04	7.99	0.00	30.85	11.04	7.99	0.00
28.30	11.04	7.99	0.00	30.90	11.04	7.99	0.00
28.35	11.04	7.99	0.00	30.95	11.04	7.99	0.00
28.40	11.04	7.99	0.00	31.00	11.04	7.99	0.00
28.45	11.04	7.99	0.00	31.05	11.04	7.99	0.00
28.50	11.04	7.99	0.00	31.10	11.04	7.99	0.00
28.55	11.04	7.99	0.00	31.15	11.04	7.99	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.99	0.00	33.80	11.04	7.99	0.00
31.25	11.04	7.99	0.00	33.85	11.04	7.99	0.00
31.30	11.04	7.99	0.00	33.90	11.04	7.99	0.00
31.35	11.04	7.99	0.00	33.95	11.04	7.99	0.00
31.40	11.04	7.99	0.00	34.00	11.04	7.99	0.00
31.45	11.04	7.99	0.00	34.05	11.04	7.99	0.00
31.50	11.04	7.99	0.00	34.10	11.04	7.99	0.00
31.55	11.04	7.99	0.00	34.15	11.04	7.99	0.00
31.60	11.04	7.99	0.00	34.20	11.04	7.99	0.00
31.65	11.04	7.99	0.00	34.25	11.04	7.99	0.00
31.70	11.04	7.99	0.00	34.30	11.04	7.99	0.00
31.75	11.04	7.99	0.00	34.35	11.04	7.99	0.00
31.80	11.04	7.99	0.00	34.40	11.04	7.99	0.00
31.85	11.04	7.99	0.00	34.45	11.04	7.99	0.00
31.90	11.04	7.99	0.00	34.50	11.04	7.99	0.00
31.95	11.04	7.99	0.00	34.55	11.04	7.99	0.00
32.00	11.04	7.99	0.00	34.60	11.04	7.99	0.00
32.05	11.04	7.99	0.00	34.65	11.04	7.99	0.00
32.10	11.04	7.99	0.00	34.70	11.04	7.99	0.00
32.15	11.04	7.99	0.00	34.75	11.04	7.99	0.00
32.20	11.04	7.99	0.00	34.80	11.04	7.99	0.00
32.25	11.04	7.99	0.00	34.85	11.04	7.99	0.00
32.30	11.04	7.99	0.00	34.90	11.04	7.99	0.00
32.35	11.04	7.99	0.00	34.95	11.04	7.99	0.00
32.40	11.04	7.99	0.00	35.00	11.04	7.99	0.00
32.45	11.04	7.99	0.00	35.05	11.04	7.99	0.00
32.50	11.04	7.99	0.00	35.10	11.04	7.99	0.00
32.55	11.04	7.99	0.00	35.15	11.04	7.99	0.00
32.60	11.04	7.99	0.00	35.20	11.04	7.99	0.00
32.65	11.04	7.99	0.00	35.25	11.04	7.99	0.00
32.70	11.04	7.99	0.00	35.30	11.04	7.99	0.00
32.75	11.04	7.99	0.00	35.35	11.04	7.99	0.00
32.80	11.04	7.99	0.00	35.40	11.04	7.99	0.00
32.85	11.04	7.99	0.00	35.45	11.04	7.99	0.00
32.90	11.04	7.99	0.00	35.50	11.04	7.99	0.00
32.95	11.04	7.99	0.00	35.55	11.04	7.99	0.00
33.00	11.04	7.99	0.00	35.60	11.04	7.99	0.00
33.05	11.04	7.99	0.00	35.65	11.04	7.99	0.00
33.10	11.04	7.99	0.00	35.70	11.04	7.99	0.00
33.15	11.04	7.99	0.00	35.75	11.04	7.99	0.00
33.20	11.04	7.99	0.00	35.80	11.04	7.99	0.00
33.25	11.04	7.99	0.00	35.85	11.04	7.99	0.00
33.30	11.04	7.99	0.00	35.90	11.04	7.99	0.00
33.35	11.04	7.99	0.00	35.95	11.04	7.99	0.00
33.40	11.04	7.99	0.00	36.00	11.04	7.99	0.00
33.45	11.04	7.99	0.00	36.05	11.04	7.99	0.00
33.50	11.04	7.99	0.00	36.10	11.04	7.99	0.00
33.55	11.04	7.99	0.00	36.15	11.04	7.99	0.00
33.60	11.04	7.99	0.00	36.20	11.04	7.99	0.00
33.65	11.04	7.99	0.00	36.25	11.04	7.99	0.00
33.70	11.04	7.99	0.00	36.30	11.04	7.99	0.00
33.75	11.04	7.99	0.00	36.35	11.04	7.99	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.99	0.00	39.00	11.04	7.99	0.00
36.45	11.04	7.99	0.00	39.05	11.04	7.99	0.00
36.50	11.04	7.99	0.00	39.10	11.04	7.99	0.00
36.55	11.04	7.99	0.00	39.15	11.04	7.99	0.00
36.60	11.04	7.99	0.00	39.20	11.04	7.99	0.00
36.65	11.04	7.99	0.00	39.25	11.04	7.99	0.00
36.70	11.04	7.99	0.00	39.30	11.04	7.99	0.00
36.75	11.04	7.99	0.00	39.35	11.04	7.99	0.00
36.80	11.04	7.99	0.00	39.40	11.04	7.99	0.00
36.85	11.04	7.99	0.00	39.45	11.04	7.99	0.00
36.90	11.04	7.99	0.00	39.50	11.04	7.99	0.00
36.95	11.04	7.99	0.00	39.55	11.04	7.99	0.00
37.00	11.04	7.99	0.00	39.60	11.04	7.99	0.00
37.05	11.04	7.99	0.00	39.65	11.04	7.99	0.00
37.10	11.04	7.99	0.00	39.70	11.04	7.99	0.00
37.15	11.04	7.99	0.00	39.75	11.04	7.99	0.00
37.20	11.04	7.99	0.00	39.80	11.04	7.99	0.00
37.25	11.04	7.99	0.00	39.85	11.04	7.99	0.00
37.30	11.04	7.99	0.00	39.90	11.04	7.99	0.00
37.35	11.04	7.99	0.00	39.95	11.04	7.99	0.00
37.40	11.04	7.99	0.00	40.00	11.04	7.99	0.00
37.45	11.04	7.99	0.00				
37.50	11.04	7.99	0.00				
37.55	11.04	7.99	0.00				
37.60	11.04	7.99	0.00				
37.65	11.04	7.99	0.00				
37.70	11.04	7.99	0.00				
37.75	11.04	7.99	0.00				
37.80	11.04	7.99	0.00				
37.85	11.04	7.99	0.00				
37.90	11.04	7.99	0.00				
37.95	11.04	7.99	0.00				
38.00	11.04	7.99	0.00				
38.05	11.04	7.99	0.00				
38.10	11.04	7.99	0.00				
38.15	11.04	7.99	0.00				
38.20	11.04	7.99	0.00				
38.25	11.04	7.99	0.00				
38.30	11.04	7.99	0.00				
38.35	11.04	7.99	0.00				
38.40	11.04	7.99	0.00				
38.45	11.04	7.99	0.00				
38.50	11.04	7.99	0.00				
38.55	11.04	7.99	0.00				
38.60	11.04	7.99	0.00				
38.65	11.04	7.99	0.00				
38.70	11.04	7.99	0.00				
38.75	11.04	7.99	0.00				
38.80	11.04	7.99	0.00				
38.85	11.04	7.99	0.00				
38.90	11.04	7.99	0.00				
38.95	11.04	7.99	0.00				

Summary for Subcatchment X-4P: XDA-4 (pervious)

Runoff = 225.90 cfs @ 12.17 hrs, Volume= 16.985 af, Depth= 6.75"

Routed to Link XDA-4 : Existing Drainage Area #4

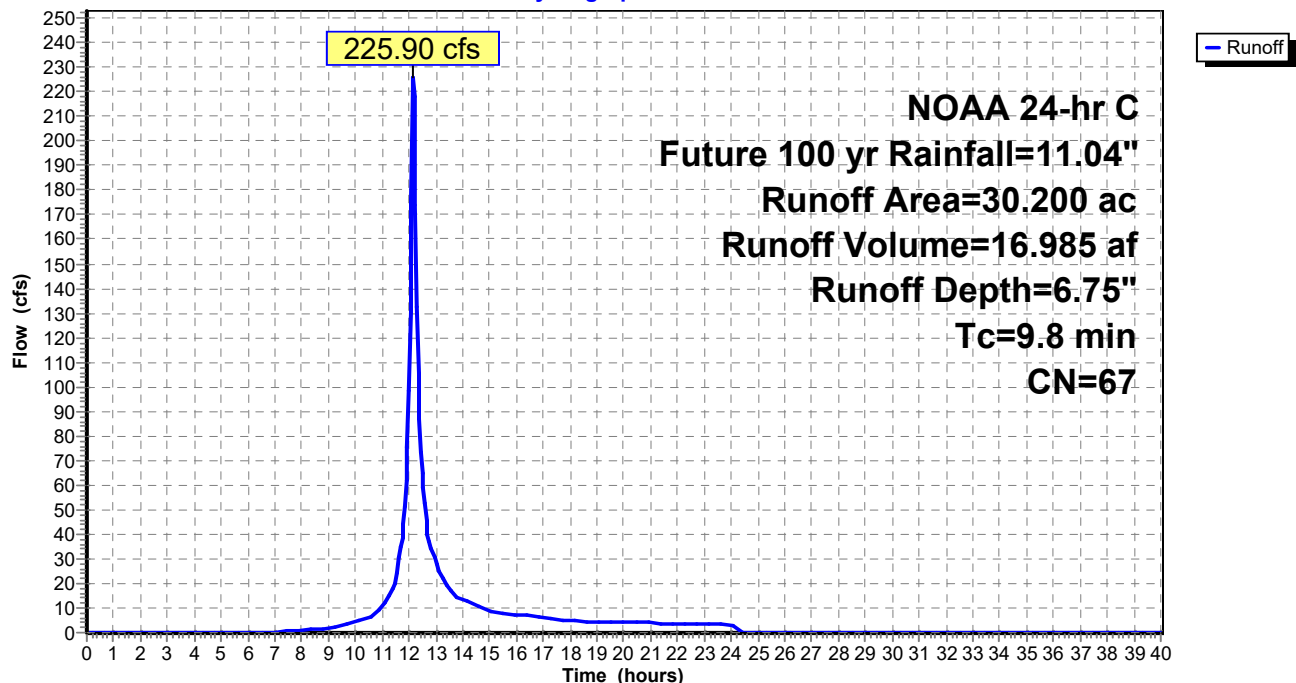
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-4P: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.02	0.71
5.25	0.74	0.00	0.00	7.85	1.28	0.02	0.75
5.30	0.75	0.00	0.00	7.90	1.30	0.02	0.80
5.35	0.76	0.00	0.00	7.95	1.31	0.02	0.84
5.40	0.77	0.00	0.00	8.00	1.32	0.02	0.88
5.45	0.78	0.00	0.00	8.05	1.34	0.02	0.93
5.50	0.79	0.00	0.00	8.10	1.35	0.03	0.97
5.55	0.80	0.00	0.00	8.15	1.36	0.03	1.01
5.60	0.80	0.00	0.00	8.20	1.38	0.03	1.06
5.65	0.81	0.00	0.00	8.25	1.39	0.03	1.10
5.70	0.82	0.00	0.00	8.30	1.40	0.03	1.15
5.75	0.83	0.00	0.00	8.35	1.42	0.04	1.19
5.80	0.84	0.00	0.00	8.40	1.43	0.04	1.24
5.85	0.85	0.00	0.00	8.45	1.45	0.04	1.29
5.90	0.86	0.00	0.00	8.50	1.46	0.04	1.34
5.95	0.87	0.00	0.00	8.55	1.48	0.04	1.39
6.00	0.87	0.00	0.00	8.60	1.49	0.05	1.44
6.05	0.88	0.00	0.00	8.65	1.51	0.05	1.49
6.10	0.89	0.00	0.00	8.70	1.52	0.05	1.54
6.15	0.90	0.00	0.00	8.75	1.54	0.06	1.59
6.20	0.91	0.00	0.00	8.80	1.55	0.06	1.64
6.25	0.92	0.00	0.00	8.85	1.57	0.06	1.69
6.30	0.93	0.00	0.00	8.90	1.58	0.06	1.75
6.35	0.94	0.00	0.00	8.95	1.60	0.07	1.80
6.40	0.95	0.00	0.00	9.00	1.61	0.07	1.86
6.45	0.96	0.00	0.00	9.05	1.63	0.07	1.92
6.50	0.97	0.00	0.00	9.10	1.64	0.08	1.99
6.55	0.98	0.00	0.00	9.15	1.66	0.08	2.07
6.60	0.99	0.00	0.00	9.20	1.68	0.09	2.17
6.65	1.00	0.00	0.00	9.25	1.70	0.09	2.26
6.70	1.01	0.00	0.01	9.30	1.72	0.09	2.37
6.75	1.02	0.00	0.02	9.35	1.73	0.10	2.48
6.80	1.03	0.00	0.05	9.40	1.75	0.10	2.59
6.85	1.04	0.00	0.07	9.45	1.77	0.11	2.70
6.90	1.05	0.00	0.10	9.50	1.79	0.11	2.82
6.95	1.07	0.00	0.13	9.55	1.81	0.12	2.94
7.00	1.08	0.00	0.15	9.60	1.83	0.12	3.06
7.05	1.09	0.00	0.19	9.65	1.85	0.13	3.19
7.10	1.10	0.00	0.22	9.70	1.88	0.14	3.33
7.15	1.11	0.00	0.25	9.75	1.90	0.14	3.46
7.20	1.12	0.00	0.28	9.80	1.92	0.15	3.59
7.25	1.13	0.00	0.31	9.85	1.94	0.16	3.73
7.30	1.15	0.01	0.35	9.90	1.97	0.16	3.88
7.35	1.16	0.01	0.38	9.95	1.99	0.17	4.03
7.40	1.17	0.01	0.41	10.00	2.01	0.18	4.18
7.45	1.18	0.01	0.45	10.05	2.04	0.19	4.33
7.50	1.19	0.01	0.49	10.10	2.06	0.19	4.48
7.55	1.21	0.01	0.52	10.15	2.09	0.20	4.64
7.60	1.22	0.01	0.56	10.20	2.11	0.21	4.81
7.65	1.23	0.01	0.60	10.25	2.14	0.22	4.97
7.70	1.24	0.01	0.64	10.30	2.17	0.23	5.14
7.75	1.26	0.01	0.68	10.35	2.19	0.24	5.31

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.25	5.49	13.00	8.39	4.45	28.37
10.45	2.25	0.26	5.67	13.05	8.43	4.48	26.91
10.50	2.28	0.27	5.85	13.10	8.48	4.52	25.43
10.55	2.31	0.28	6.06	13.15	8.52	4.56	24.01
10.60	2.34	0.29	6.36	13.20	8.56	4.59	22.81
10.65	2.37	0.30	6.75	13.25	8.60	4.62	21.84
10.70	2.41	0.32	7.19	13.30	8.63	4.65	20.95
10.75	2.44	0.33	7.66	13.35	8.67	4.68	20.12
10.80	2.48	0.35	8.16	13.40	8.70	4.71	19.30
10.85	2.52	0.37	8.68	13.45	8.73	4.74	18.50
10.90	2.56	0.38	9.22	13.50	8.76	4.76	17.69
10.95	2.61	0.40	9.78	13.55	8.79	4.79	16.90
11.00	2.65	0.42	10.36	13.60	8.82	4.81	16.09
11.05	2.70	0.44	10.98	13.65	8.85	4.83	15.33
11.10	2.75	0.47	11.75	13.70	8.87	4.86	14.77
11.15	2.80	0.49	12.66	13.75	8.90	4.88	14.40
11.20	2.86	0.52	13.66	13.80	8.93	4.90	14.11
11.25	2.92	0.55	14.72	13.85	8.95	4.92	13.86
11.30	2.98	0.58	15.83	13.90	8.98	4.95	13.64
11.35	3.05	0.61	16.98	13.95	9.00	4.97	13.44
11.40	3.12	0.64	18.18	14.00	9.03	4.99	13.23
11.45	3.19	0.68	19.41	14.05	9.05	5.01	13.02
11.50	3.26	0.72	20.60	14.10	9.07	5.03	12.80
11.55	3.37	0.78	22.15	14.15	9.10	5.05	12.60
11.60	3.49	0.84	25.78	14.20	9.12	5.07	12.39
11.65	3.60	0.91	30.84	14.25	9.14	5.09	12.19
11.70	3.72	0.98	35.06	14.30	9.16	5.11	11.98
11.75	3.88	1.07	38.57	14.35	9.19	5.12	11.77
11.80	4.04	1.17	43.99	14.40	9.21	5.14	11.55
11.85	4.27	1.31	51.59	14.45	9.23	5.16	11.34
11.90	4.49	1.46	61.89	14.50	9.25	5.18	11.13
11.95	4.88	1.72	75.76	14.55	9.27	5.19	10.93
12.00	5.26	1.99	98.47	14.60	9.29	5.21	10.72
12.05	5.91	2.46	130.20	14.65	9.31	5.23	10.50
12.10	6.55	2.95	176.20	14.70	9.32	5.24	10.28
12.15	6.77	3.13	221.41	14.75	9.34	5.26	10.07
12.20	7.00	3.30	217.99	14.80	9.36	5.27	9.87
12.25	7.16	3.43	173.80	14.85	9.38	5.29	9.66
12.30	7.32	3.56	132.61	14.90	9.40	5.30	9.44
12.35	7.44	3.66	105.74	14.95	9.41	5.32	9.23
12.40	7.55	3.75	86.88	15.00	9.43	5.33	9.01
12.45	7.67	3.85	73.21	15.05	9.44	5.35	8.79
12.50	7.78	3.94	64.67	15.10	9.46	5.36	8.58
12.55	7.85	4.00	59.40	15.15	9.47	5.37	8.39
12.60	7.92	4.06	52.86	15.20	9.49	5.39	8.24
12.65	7.99	4.11	45.33	15.25	9.50	5.40	8.13
12.70	8.06	4.17	39.99	15.30	9.52	5.41	8.05
12.75	8.12	4.22	36.92	15.35	9.53	5.42	7.98
12.80	8.18	4.27	34.75	15.40	9.55	5.44	7.93
12.85	8.24	4.32	32.98	15.45	9.56	5.45	7.88
12.90	8.29	4.36	31.38	15.50	9.58	5.46	7.82
12.95	8.34	4.41	29.88	15.55	9.59	5.47	7.76

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.49	7.71	18.20	10.20	6.01	4.78
15.65	9.62	5.50	7.66	18.25	10.21	6.01	4.75
15.70	9.64	5.51	7.60	18.30	10.22	6.02	4.73
15.75	9.65	5.52	7.54	18.35	10.23	6.03	4.71
15.80	9.66	5.54	7.48	18.40	10.24	6.04	4.70
15.85	9.68	5.55	7.42	18.45	10.24	6.04	4.68
15.90	9.69	5.56	7.37	18.50	10.25	6.05	4.67
15.95	9.70	5.57	7.32	18.55	10.26	6.06	4.66
16.00	9.72	5.58	7.26	18.60	10.27	6.07	4.64
16.05	9.73	5.59	7.20	18.65	10.28	6.07	4.63
16.10	9.74	5.61	7.15	18.70	10.29	6.08	4.61
16.15	9.76	5.62	7.10	18.75	10.30	6.09	4.60
16.20	9.77	5.63	7.05	18.80	10.30	6.10	4.59
16.25	9.78	5.64	6.99	18.85	10.31	6.10	4.57
16.30	9.80	5.65	6.93	18.90	10.32	6.11	4.56
16.35	9.81	5.66	6.87	18.95	10.33	6.12	4.54
16.40	9.82	5.67	6.81	19.00	10.34	6.13	4.53
16.45	9.83	5.68	6.76	19.05	10.35	6.13	4.52
16.50	9.85	5.69	6.70	19.10	10.35	6.14	4.50
16.55	9.86	5.71	6.64	19.15	10.36	6.15	4.49
16.60	9.87	5.72	6.58	19.20	10.37	6.16	4.47
16.65	9.88	5.73	6.53	19.25	10.38	6.16	4.46
16.70	9.89	5.74	6.48	19.30	10.39	6.17	4.45
16.75	9.91	5.75	6.42	19.35	10.40	6.18	4.43
16.80	9.92	5.76	6.36	19.40	10.40	6.18	4.42
16.85	9.93	5.77	6.30	19.45	10.41	6.19	4.40
16.90	9.94	5.78	6.24	19.50	10.42	6.20	4.39
16.95	9.95	5.79	6.19	19.55	10.43	6.21	4.37
17.00	9.96	5.80	6.14	19.60	10.44	6.21	4.36
17.05	9.97	5.81	6.08	19.65	10.44	6.22	4.35
17.10	9.99	5.82	6.03	19.70	10.45	6.23	4.33
17.15	10.00	5.83	5.97	19.75	10.46	6.23	4.32
17.20	10.01	5.84	5.91	19.80	10.47	6.24	4.31
17.25	10.02	5.85	5.85	19.85	10.48	6.25	4.31
17.30	10.03	5.85	5.79	19.90	10.48	6.26	4.29
17.35	10.04	5.86	5.72	19.95	10.49	6.26	4.27
17.40	10.05	5.87	5.67	20.00	10.50	6.27	4.25
17.45	10.06	5.88	5.62	20.05	10.51	6.28	4.23
17.50	10.07	5.89	5.56	20.10	10.52	6.28	4.22
17.55	10.08	5.90	5.51	20.15	10.52	6.29	4.20
17.60	10.09	5.91	5.45	20.20	10.53	6.30	4.19
17.65	10.10	5.92	5.39	20.25	10.54	6.30	4.18
17.70	10.11	5.93	5.34	20.30	10.55	6.31	4.16
17.75	10.12	5.93	5.28	20.35	10.55	6.32	4.15
17.80	10.13	5.94	5.22	20.40	10.56	6.32	4.13
17.85	10.14	5.95	5.16	20.45	10.57	6.33	4.12
17.90	10.15	5.96	5.10	20.50	10.58	6.34	4.10
17.95	10.16	5.97	5.05	20.55	10.58	6.34	4.09
18.00	10.17	5.97	4.99	20.60	10.59	6.35	4.08
18.05	10.17	5.98	4.93	20.65	10.60	6.36	4.08
18.10	10.18	5.99	4.87	20.70	10.61	6.36	4.06
18.15	10.19	6.00	4.82	20.75	10.61	6.37	4.04

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.38	4.02	23.40	10.97	6.68	3.27
20.85	10.63	6.38	4.01	23.45	10.97	6.69	3.27
20.90	10.64	6.39	3.99	23.50	10.98	6.70	3.25
20.95	10.64	6.40	3.98	23.55	10.99	6.70	3.23
21.00	10.65	6.40	3.96	23.60	10.99	6.71	3.21
21.05	10.66	6.41	3.95	23.65	11.00	6.71	3.19
21.10	10.66	6.42	3.93	23.70	11.00	6.72	3.18
21.15	10.67	6.42	3.92	23.75	11.01	6.72	3.18
21.20	10.68	6.43	3.90	23.80	11.01	6.73	3.16
21.25	10.69	6.43	3.89	23.85	11.02	6.73	3.14
21.30	10.69	6.44	3.88	23.90	11.03	6.74	3.12
21.35	10.70	6.45	3.88	23.95	11.03	6.74	3.13
21.40	10.71	6.45	3.86	24.00	11.04	6.75	3.28
21.45	10.71	6.46	3.84	24.05	11.04	6.75	3.39
21.50	10.72	6.47	3.82	24.10	11.04	6.75	2.74
21.55	10.73	6.47	3.80	24.15	11.04	6.75	1.58
21.60	10.74	6.48	3.79	24.20	11.04	6.75	0.75
21.65	10.74	6.48	3.77	24.25	11.04	6.75	0.35
21.70	10.75	6.49	3.76	24.30	11.04	6.75	0.16
21.75	10.76	6.50	3.75	24.35	11.04	6.75	0.08
21.80	10.76	6.50	3.74	24.40	11.04	6.75	0.03
21.85	10.77	6.51	3.73	24.45	11.04	6.75	0.01
21.90	10.78	6.51	3.72	24.50	11.04	6.75	0.00
21.95	10.78	6.52	3.70	24.55	11.04	6.75	0.00
22.00	10.79	6.53	3.68	24.60	11.04	6.75	0.00
22.05	10.80	6.53	3.66	24.65	11.04	6.75	0.00
22.10	10.80	6.54	3.64	24.70	11.04	6.75	0.00
22.15	10.81	6.54	3.63	24.75	11.04	6.75	0.00
22.20	10.82	6.55	3.62	24.80	11.04	6.75	0.00
22.25	10.82	6.56	3.62	24.85	11.04	6.75	0.00
22.30	10.83	6.56	3.60	24.90	11.04	6.75	0.00
22.35	10.84	6.57	3.58	24.95	11.04	6.75	0.00
22.40	10.84	6.57	3.56	25.00	11.04	6.75	0.00
22.45	10.85	6.58	3.54	25.05	11.04	6.75	0.00
22.50	10.86	6.59	3.53	25.10	11.04	6.75	0.00
22.55	10.86	6.59	3.51	25.15	11.04	6.75	0.00
22.60	10.87	6.60	3.51	25.20	11.04	6.75	0.00
22.65	10.88	6.60	3.50	25.25	11.04	6.75	0.00
22.70	10.88	6.61	3.48	25.30	11.04	6.75	0.00
22.75	10.89	6.61	3.46	25.35	11.04	6.75	0.00
22.80	10.89	6.62	3.44	25.40	11.04	6.75	0.00
22.85	10.90	6.62	3.43	25.45	11.04	6.75	0.00
22.90	10.91	6.63	3.41	25.50	11.04	6.75	0.00
22.95	10.91	6.64	3.40	25.55	11.04	6.75	0.00
23.00	10.92	6.64	3.39	25.60	11.04	6.75	0.00
23.05	10.93	6.65	3.38	25.65	11.04	6.75	0.00
23.10	10.93	6.65	3.37	25.70	11.04	6.75	0.00
23.15	10.94	6.66	3.35	25.75	11.04	6.75	0.00
23.20	10.94	6.66	3.33	25.80	11.04	6.75	0.00
23.25	10.95	6.67	3.31	25.85	11.04	6.75	0.00
23.30	10.96	6.67	3.29	25.90	11.04	6.75	0.00
23.35	10.96	6.68	3.28	25.95	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.75	0.00	28.60	11.04	6.75	0.00
26.05	11.04	6.75	0.00	28.65	11.04	6.75	0.00
26.10	11.04	6.75	0.00	28.70	11.04	6.75	0.00
26.15	11.04	6.75	0.00	28.75	11.04	6.75	0.00
26.20	11.04	6.75	0.00	28.80	11.04	6.75	0.00
26.25	11.04	6.75	0.00	28.85	11.04	6.75	0.00
26.30	11.04	6.75	0.00	28.90	11.04	6.75	0.00
26.35	11.04	6.75	0.00	28.95	11.04	6.75	0.00
26.40	11.04	6.75	0.00	29.00	11.04	6.75	0.00
26.45	11.04	6.75	0.00	29.05	11.04	6.75	0.00
26.50	11.04	6.75	0.00	29.10	11.04	6.75	0.00
26.55	11.04	6.75	0.00	29.15	11.04	6.75	0.00
26.60	11.04	6.75	0.00	29.20	11.04	6.75	0.00
26.65	11.04	6.75	0.00	29.25	11.04	6.75	0.00
26.70	11.04	6.75	0.00	29.30	11.04	6.75	0.00
26.75	11.04	6.75	0.00	29.35	11.04	6.75	0.00
26.80	11.04	6.75	0.00	29.40	11.04	6.75	0.00
26.85	11.04	6.75	0.00	29.45	11.04	6.75	0.00
26.90	11.04	6.75	0.00	29.50	11.04	6.75	0.00
26.95	11.04	6.75	0.00	29.55	11.04	6.75	0.00
27.00	11.04	6.75	0.00	29.60	11.04	6.75	0.00
27.05	11.04	6.75	0.00	29.65	11.04	6.75	0.00
27.10	11.04	6.75	0.00	29.70	11.04	6.75	0.00
27.15	11.04	6.75	0.00	29.75	11.04	6.75	0.00
27.20	11.04	6.75	0.00	29.80	11.04	6.75	0.00
27.25	11.04	6.75	0.00	29.85	11.04	6.75	0.00
27.30	11.04	6.75	0.00	29.90	11.04	6.75	0.00
27.35	11.04	6.75	0.00	29.95	11.04	6.75	0.00
27.40	11.04	6.75	0.00	30.00	11.04	6.75	0.00
27.45	11.04	6.75	0.00	30.05	11.04	6.75	0.00
27.50	11.04	6.75	0.00	30.10	11.04	6.75	0.00
27.55	11.04	6.75	0.00	30.15	11.04	6.75	0.00
27.60	11.04	6.75	0.00	30.20	11.04	6.75	0.00
27.65	11.04	6.75	0.00	30.25	11.04	6.75	0.00
27.70	11.04	6.75	0.00	30.30	11.04	6.75	0.00
27.75	11.04	6.75	0.00	30.35	11.04	6.75	0.00
27.80	11.04	6.75	0.00	30.40	11.04	6.75	0.00
27.85	11.04	6.75	0.00	30.45	11.04	6.75	0.00
27.90	11.04	6.75	0.00	30.50	11.04	6.75	0.00
27.95	11.04	6.75	0.00	30.55	11.04	6.75	0.00
28.00	11.04	6.75	0.00	30.60	11.04	6.75	0.00
28.05	11.04	6.75	0.00	30.65	11.04	6.75	0.00
28.10	11.04	6.75	0.00	30.70	11.04	6.75	0.00
28.15	11.04	6.75	0.00	30.75	11.04	6.75	0.00
28.20	11.04	6.75	0.00	30.80	11.04	6.75	0.00
28.25	11.04	6.75	0.00	30.85	11.04	6.75	0.00
28.30	11.04	6.75	0.00	30.90	11.04	6.75	0.00
28.35	11.04	6.75	0.00	30.95	11.04	6.75	0.00
28.40	11.04	6.75	0.00	31.00	11.04	6.75	0.00
28.45	11.04	6.75	0.00	31.05	11.04	6.75	0.00
28.50	11.04	6.75	0.00	31.10	11.04	6.75	0.00
28.55	11.04	6.75	0.00	31.15	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.75	0.00	33.80	11.04	6.75	0.00
31.25	11.04	6.75	0.00	33.85	11.04	6.75	0.00
31.30	11.04	6.75	0.00	33.90	11.04	6.75	0.00
31.35	11.04	6.75	0.00	33.95	11.04	6.75	0.00
31.40	11.04	6.75	0.00	34.00	11.04	6.75	0.00
31.45	11.04	6.75	0.00	34.05	11.04	6.75	0.00
31.50	11.04	6.75	0.00	34.10	11.04	6.75	0.00
31.55	11.04	6.75	0.00	34.15	11.04	6.75	0.00
31.60	11.04	6.75	0.00	34.20	11.04	6.75	0.00
31.65	11.04	6.75	0.00	34.25	11.04	6.75	0.00
31.70	11.04	6.75	0.00	34.30	11.04	6.75	0.00
31.75	11.04	6.75	0.00	34.35	11.04	6.75	0.00
31.80	11.04	6.75	0.00	34.40	11.04	6.75	0.00
31.85	11.04	6.75	0.00	34.45	11.04	6.75	0.00
31.90	11.04	6.75	0.00	34.50	11.04	6.75	0.00
31.95	11.04	6.75	0.00	34.55	11.04	6.75	0.00
32.00	11.04	6.75	0.00	34.60	11.04	6.75	0.00
32.05	11.04	6.75	0.00	34.65	11.04	6.75	0.00
32.10	11.04	6.75	0.00	34.70	11.04	6.75	0.00
32.15	11.04	6.75	0.00	34.75	11.04	6.75	0.00
32.20	11.04	6.75	0.00	34.80	11.04	6.75	0.00
32.25	11.04	6.75	0.00	34.85	11.04	6.75	0.00
32.30	11.04	6.75	0.00	34.90	11.04	6.75	0.00
32.35	11.04	6.75	0.00	34.95	11.04	6.75	0.00
32.40	11.04	6.75	0.00	35.00	11.04	6.75	0.00
32.45	11.04	6.75	0.00	35.05	11.04	6.75	0.00
32.50	11.04	6.75	0.00	35.10	11.04	6.75	0.00
32.55	11.04	6.75	0.00	35.15	11.04	6.75	0.00
32.60	11.04	6.75	0.00	35.20	11.04	6.75	0.00
32.65	11.04	6.75	0.00	35.25	11.04	6.75	0.00
32.70	11.04	6.75	0.00	35.30	11.04	6.75	0.00
32.75	11.04	6.75	0.00	35.35	11.04	6.75	0.00
32.80	11.04	6.75	0.00	35.40	11.04	6.75	0.00
32.85	11.04	6.75	0.00	35.45	11.04	6.75	0.00
32.90	11.04	6.75	0.00	35.50	11.04	6.75	0.00
32.95	11.04	6.75	0.00	35.55	11.04	6.75	0.00
33.00	11.04	6.75	0.00	35.60	11.04	6.75	0.00
33.05	11.04	6.75	0.00	35.65	11.04	6.75	0.00
33.10	11.04	6.75	0.00	35.70	11.04	6.75	0.00
33.15	11.04	6.75	0.00	35.75	11.04	6.75	0.00
33.20	11.04	6.75	0.00	35.80	11.04	6.75	0.00
33.25	11.04	6.75	0.00	35.85	11.04	6.75	0.00
33.30	11.04	6.75	0.00	35.90	11.04	6.75	0.00
33.35	11.04	6.75	0.00	35.95	11.04	6.75	0.00
33.40	11.04	6.75	0.00	36.00	11.04	6.75	0.00
33.45	11.04	6.75	0.00	36.05	11.04	6.75	0.00
33.50	11.04	6.75	0.00	36.10	11.04	6.75	0.00
33.55	11.04	6.75	0.00	36.15	11.04	6.75	0.00
33.60	11.04	6.75	0.00	36.20	11.04	6.75	0.00
33.65	11.04	6.75	0.00	36.25	11.04	6.75	0.00
33.70	11.04	6.75	0.00	36.30	11.04	6.75	0.00
33.75	11.04	6.75	0.00	36.35	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.75	0.00	39.00	11.04	6.75	0.00
36.45	11.04	6.75	0.00	39.05	11.04	6.75	0.00
36.50	11.04	6.75	0.00	39.10	11.04	6.75	0.00
36.55	11.04	6.75	0.00	39.15	11.04	6.75	0.00
36.60	11.04	6.75	0.00	39.20	11.04	6.75	0.00
36.65	11.04	6.75	0.00	39.25	11.04	6.75	0.00
36.70	11.04	6.75	0.00	39.30	11.04	6.75	0.00
36.75	11.04	6.75	0.00	39.35	11.04	6.75	0.00
36.80	11.04	6.75	0.00	39.40	11.04	6.75	0.00
36.85	11.04	6.75	0.00	39.45	11.04	6.75	0.00
36.90	11.04	6.75	0.00	39.50	11.04	6.75	0.00
36.95	11.04	6.75	0.00	39.55	11.04	6.75	0.00
37.00	11.04	6.75	0.00	39.60	11.04	6.75	0.00
37.05	11.04	6.75	0.00	39.65	11.04	6.75	0.00
37.10	11.04	6.75	0.00	39.70	11.04	6.75	0.00
37.15	11.04	6.75	0.00	39.75	11.04	6.75	0.00
37.20	11.04	6.75	0.00	39.80	11.04	6.75	0.00
37.25	11.04	6.75	0.00	39.85	11.04	6.75	0.00
37.30	11.04	6.75	0.00	39.90	11.04	6.75	0.00
37.35	11.04	6.75	0.00	39.95	11.04	6.75	0.00
37.40	11.04	6.75	0.00	40.00	11.04	6.75	0.00
37.45	11.04	6.75	0.00				
37.50	11.04	6.75	0.00				
37.55	11.04	6.75	0.00				
37.60	11.04	6.75	0.00				
37.65	11.04	6.75	0.00				
37.70	11.04	6.75	0.00				
37.75	11.04	6.75	0.00				
37.80	11.04	6.75	0.00				
37.85	11.04	6.75	0.00				
37.90	11.04	6.75	0.00				
37.95	11.04	6.75	0.00				
38.00	11.04	6.75	0.00				
38.05	11.04	6.75	0.00				
38.10	11.04	6.75	0.00				
38.15	11.04	6.75	0.00				
38.20	11.04	6.75	0.00				
38.25	11.04	6.75	0.00				
38.30	11.04	6.75	0.00				
38.35	11.04	6.75	0.00				
38.40	11.04	6.75	0.00				
38.45	11.04	6.75	0.00				
38.50	11.04	6.75	0.00				
38.55	11.04	6.75	0.00				
38.60	11.04	6.75	0.00				
38.65	11.04	6.75	0.00				
38.70	11.04	6.75	0.00				
38.75	11.04	6.75	0.00				
38.80	11.04	6.75	0.00				
38.85	11.04	6.75	0.00				
38.90	11.04	6.75	0.00				
38.95	11.04	6.75	0.00				

Summary for Subcatchment X-5P: XDA-5 (pervious)

Runoff = 77.62 cfs @ 12.16 hrs, Volume= 5.731 af, Depth= 7.85"

Routed to Link XDA-5 : Existing Drainage Area #5

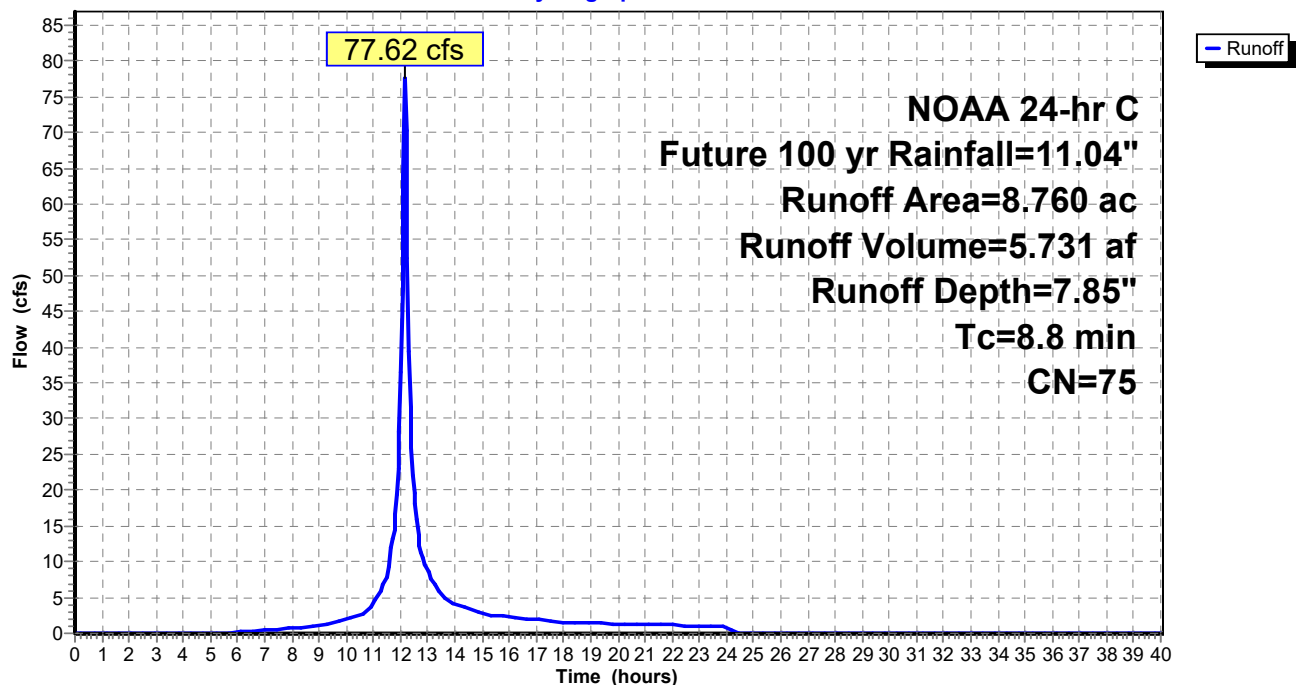
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8					Direct Entry,

Subcatchment X-5P: XDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.01
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.01
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.02
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.03
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.03

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.04	7.80	1.27	0.09	0.60
5.25	0.74	0.00	0.05	7.85	1.28	0.10	0.62
5.30	0.75	0.00	0.05	7.90	1.30	0.10	0.64
5.35	0.76	0.00	0.06	7.95	1.31	0.10	0.65
5.40	0.77	0.00	0.07	8.00	1.32	0.11	0.67
5.45	0.78	0.00	0.08	8.05	1.34	0.11	0.69
5.50	0.79	0.00	0.08	8.10	1.35	0.12	0.70
5.55	0.80	0.00	0.09	8.15	1.36	0.12	0.72
5.60	0.80	0.01	0.10	8.20	1.38	0.12	0.74
5.65	0.81	0.01	0.11	8.25	1.39	0.13	0.75
5.70	0.82	0.01	0.11	8.30	1.40	0.13	0.77
5.75	0.83	0.01	0.12	8.35	1.42	0.14	0.79
5.80	0.84	0.01	0.13	8.40	1.43	0.14	0.80
5.85	0.85	0.01	0.14	8.45	1.45	0.15	0.82
5.90	0.86	0.01	0.14	8.50	1.46	0.15	0.84
5.95	0.87	0.01	0.15	8.55	1.48	0.16	0.86
6.00	0.87	0.01	0.16	8.60	1.49	0.16	0.88
6.05	0.88	0.01	0.17	8.65	1.51	0.17	0.90
6.10	0.89	0.01	0.18	8.70	1.52	0.17	0.91
6.15	0.90	0.02	0.18	8.75	1.54	0.18	0.93
6.20	0.91	0.02	0.19	8.80	1.55	0.19	0.95
6.25	0.92	0.02	0.20	8.85	1.57	0.19	0.97
6.30	0.93	0.02	0.21	8.90	1.58	0.20	0.99
6.35	0.94	0.02	0.22	8.95	1.60	0.20	1.01
6.40	0.95	0.02	0.23	9.00	1.61	0.21	1.03
6.45	0.96	0.02	0.24	9.05	1.63	0.22	1.05
6.50	0.97	0.03	0.26	9.10	1.64	0.22	1.08
6.55	0.98	0.03	0.27	9.15	1.66	0.23	1.12
6.60	0.99	0.03	0.28	9.20	1.68	0.24	1.16
6.65	1.00	0.03	0.29	9.25	1.70	0.24	1.20
6.70	1.01	0.03	0.30	9.30	1.72	0.25	1.25
6.75	1.02	0.03	0.31	9.35	1.73	0.26	1.29
6.80	1.03	0.04	0.32	9.40	1.75	0.27	1.34
6.85	1.04	0.04	0.34	9.45	1.77	0.28	1.38
6.90	1.05	0.04	0.35	9.50	1.79	0.28	1.43
6.95	1.07	0.04	0.36	9.55	1.81	0.29	1.48
7.00	1.08	0.04	0.37	9.60	1.83	0.30	1.53
7.05	1.09	0.05	0.39	9.65	1.85	0.31	1.58
7.10	1.10	0.05	0.40	9.70	1.88	0.32	1.63
7.15	1.11	0.05	0.41	9.75	1.90	0.33	1.68
7.20	1.12	0.05	0.43	9.80	1.92	0.34	1.73
7.25	1.13	0.06	0.44	9.85	1.94	0.35	1.78
7.30	1.15	0.06	0.45	9.90	1.97	0.36	1.84
7.35	1.16	0.06	0.47	9.95	1.99	0.38	1.89
7.40	1.17	0.07	0.48	10.00	2.01	0.39	1.95
7.45	1.18	0.07	0.50	10.05	2.04	0.40	2.00
7.50	1.19	0.07	0.51	10.10	2.06	0.41	2.06
7.55	1.21	0.08	0.53	10.15	2.09	0.42	2.12
7.60	1.22	0.08	0.54	10.20	2.11	0.44	2.18
7.65	1.23	0.08	0.56	10.25	2.14	0.45	2.24
7.70	1.24	0.09	0.57	10.30	2.17	0.46	2.30
7.75	1.26	0.09	0.59	10.35	2.19	0.48	2.36

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.49	2.42	13.00	8.39	5.40	8.77
10.45	2.25	0.51	2.48	13.05	8.43	5.44	8.31
10.50	2.28	0.52	2.55	13.10	8.48	5.48	7.84
10.55	2.31	0.54	2.63	13.15	8.52	5.51	7.40
10.60	2.34	0.56	2.75	13.20	8.56	5.55	7.04
10.65	2.37	0.58	2.91	13.25	8.60	5.58	6.75
10.70	2.41	0.60	3.09	13.30	8.63	5.62	6.47
10.75	2.44	0.62	3.27	13.35	8.67	5.65	6.22
10.80	2.48	0.64	3.46	13.40	8.70	5.68	5.96
10.85	2.52	0.66	3.66	13.45	8.73	5.71	5.71
10.90	2.56	0.69	3.86	13.50	8.76	5.74	5.45
10.95	2.61	0.71	4.06	13.55	8.79	5.76	5.20
11.00	2.65	0.74	4.27	13.60	8.82	5.79	4.95
11.05	2.70	0.77	4.50	13.65	8.85	5.81	4.72
11.10	2.75	0.80	4.80	13.70	8.87	5.84	4.56
11.15	2.80	0.84	5.14	13.75	8.90	5.86	4.46
11.20	2.86	0.87	5.52	13.80	8.93	5.89	4.37
11.25	2.92	0.91	5.90	13.85	8.95	5.91	4.30
11.30	2.98	0.95	6.30	13.90	8.98	5.93	4.23
11.35	3.05	0.99	6.71	13.95	9.00	5.95	4.17
11.40	3.12	1.04	7.13	14.00	9.03	5.98	4.10
11.45	3.19	1.09	7.55	14.05	9.05	6.00	4.04
11.50	3.26	1.14	7.95	14.10	9.07	6.02	3.97
11.55	3.37	1.21	8.54	14.15	9.10	6.04	3.90
11.60	3.49	1.29	10.08	14.20	9.12	6.06	3.84
11.65	3.60	1.38	11.98	14.25	9.14	6.08	3.78
11.70	3.72	1.46	13.32	14.30	9.16	6.10	3.71
11.75	3.88	1.58	14.47	14.35	9.19	6.12	3.64
11.80	4.04	1.70	16.54	14.40	9.21	6.14	3.57
11.85	4.27	1.87	19.31	14.45	9.23	6.16	3.51
11.90	4.49	2.04	23.07	14.50	9.25	6.18	3.44
11.95	4.88	2.35	28.04	14.55	9.27	6.20	3.38
12.00	5.26	2.66	36.56	14.60	9.29	6.22	3.31
12.05	5.91	3.20	47.92	14.65	9.31	6.23	3.24
12.10	6.55	3.76	64.03	14.70	9.32	6.25	3.17
12.15	6.77	3.95	77.39	14.75	9.34	6.27	3.11
12.20	7.00	4.15	70.17	14.80	9.36	6.28	3.04
12.25	7.16	4.29	52.47	14.85	9.38	6.30	2.98
12.30	7.32	4.43	39.52	14.90	9.40	6.32	2.91
12.35	7.44	4.54	31.52	14.95	9.41	6.33	2.84
12.40	7.55	4.64	25.93	15.00	9.43	6.35	2.77
12.45	7.67	4.74	21.95	15.05	9.44	6.36	2.71
12.50	7.78	4.84	19.70	15.10	9.46	6.37	2.64
12.55	7.85	4.91	18.21	15.15	9.47	6.39	2.58
12.60	7.92	4.97	16.02	15.20	9.49	6.40	2.54
12.65	7.99	5.03	13.66	15.25	9.50	6.42	2.51
12.70	8.06	5.09	12.19	15.30	9.52	6.43	2.49
12.75	8.12	5.15	11.35	15.35	9.53	6.44	2.47
12.80	8.18	5.20	10.73	15.40	9.55	6.46	2.45
12.85	8.24	5.25	10.21	15.45	9.56	6.47	2.44
12.90	8.29	5.31	9.72	15.50	9.58	6.49	2.42
12.95	8.34	5.35	9.25	15.55	9.59	6.50	2.40

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.51	2.38	18.20	10.20	7.06	1.47
15.65	9.62	6.53	2.37	18.25	10.21	7.07	1.46
15.70	9.64	6.54	2.35	18.30	10.22	7.08	1.45
15.75	9.65	6.55	2.33	18.35	10.23	7.09	1.45
15.80	9.66	6.56	2.31	18.40	10.24	7.10	1.45
15.85	9.68	6.58	2.29	18.45	10.24	7.10	1.44
15.90	9.69	6.59	2.28	18.50	10.25	7.11	1.44
15.95	9.70	6.60	2.26	18.55	10.26	7.12	1.43
16.00	9.72	6.61	2.24	18.60	10.27	7.13	1.43
16.05	9.73	6.63	2.22	18.65	10.28	7.14	1.42
16.10	9.74	6.64	2.21	18.70	10.29	7.14	1.42
16.15	9.76	6.65	2.19	18.75	10.30	7.15	1.41
16.20	9.77	6.66	2.17	18.80	10.30	7.16	1.41
16.25	9.78	6.68	2.16	18.85	10.31	7.17	1.41
16.30	9.80	6.69	2.14	18.90	10.32	7.18	1.40
16.35	9.81	6.70	2.12	18.95	10.33	7.18	1.40
16.40	9.82	6.71	2.10	19.00	10.34	7.19	1.39
16.45	9.83	6.72	2.08	19.05	10.35	7.20	1.39
16.50	9.85	6.73	2.06	19.10	10.35	7.21	1.38
16.55	9.86	6.75	2.05	19.15	10.36	7.22	1.38
16.60	9.87	6.76	2.03	19.20	10.37	7.22	1.37
16.65	9.88	6.77	2.01	19.25	10.38	7.23	1.37
16.70	9.89	6.78	2.00	19.30	10.39	7.24	1.37
16.75	9.91	6.79	1.98	19.35	10.40	7.25	1.36
16.80	9.92	6.80	1.96	19.40	10.40	7.25	1.36
16.85	9.93	6.81	1.94	19.45	10.41	7.26	1.35
16.90	9.94	6.82	1.92	19.50	10.42	7.27	1.35
16.95	9.95	6.83	1.91	19.55	10.43	7.28	1.34
17.00	9.96	6.84	1.89	19.60	10.44	7.28	1.34
17.05	9.97	6.85	1.87	19.65	10.44	7.29	1.33
17.10	9.99	6.86	1.85	19.70	10.45	7.30	1.33
17.15	10.00	6.87	1.84	19.75	10.46	7.31	1.33
17.20	10.01	6.88	1.82	19.80	10.47	7.31	1.32
17.25	10.02	6.89	1.80	19.85	10.48	7.32	1.32
17.30	10.03	6.90	1.78	19.90	10.48	7.33	1.32
17.35	10.04	6.91	1.76	19.95	10.49	7.34	1.31
17.40	10.05	6.92	1.74	20.00	10.50	7.34	1.30
17.45	10.06	6.93	1.73	20.05	10.51	7.35	1.30
17.50	10.07	6.94	1.71	20.10	10.52	7.36	1.29
17.55	10.08	6.95	1.69	20.15	10.52	7.37	1.29
17.60	10.09	6.96	1.67	20.20	10.53	7.37	1.29
17.65	10.10	6.97	1.66	20.25	10.54	7.38	1.28
17.70	10.11	6.98	1.64	20.30	10.55	7.39	1.28
17.75	10.12	6.99	1.62	20.35	10.55	7.39	1.27
17.80	10.13	7.00	1.60	20.40	10.56	7.40	1.27
17.85	10.14	7.01	1.59	20.45	10.57	7.41	1.26
17.90	10.15	7.01	1.57	20.50	10.58	7.42	1.26
17.95	10.16	7.02	1.55	20.55	10.58	7.42	1.25
18.00	10.17	7.03	1.53	20.60	10.59	7.43	1.25
18.05	10.17	7.04	1.51	20.65	10.60	7.44	1.25
18.10	10.18	7.05	1.50	20.70	10.61	7.44	1.25
18.15	10.19	7.06	1.48	20.75	10.61	7.45	1.24

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.46	1.23	23.40	10.97	7.78	1.00
20.85	10.63	7.46	1.23	23.45	10.97	7.79	1.00
20.90	10.64	7.47	1.22	23.50	10.98	7.79	0.99
20.95	10.64	7.48	1.22	23.55	10.99	7.80	0.99
21.00	10.65	7.48	1.21	23.60	10.99	7.80	0.98
21.05	10.66	7.49	1.21	23.65	11.00	7.81	0.98
21.10	10.66	7.50	1.21	23.70	11.00	7.82	0.97
21.15	10.67	7.51	1.20	23.75	11.01	7.82	0.97
21.20	10.68	7.51	1.20	23.80	11.01	7.83	0.97
21.25	10.69	7.52	1.19	23.85	11.02	7.83	0.96
21.30	10.69	7.53	1.19	23.90	11.03	7.84	0.95
21.35	10.70	7.53	1.19	23.95	11.03	7.84	0.96
21.40	10.71	7.54	1.18	24.00	11.04	7.85	1.02
21.45	10.71	7.55	1.18	24.05	11.04	7.85	1.04
21.50	10.72	7.55	1.17	24.10	11.04	7.85	0.77
21.55	10.73	7.56	1.17	24.15	11.04	7.85	0.39
21.60	10.74	7.56	1.16	24.20	11.04	7.85	0.17
21.65	10.74	7.57	1.16	24.25	11.04	7.85	0.07
21.70	10.75	7.58	1.15	24.30	11.04	7.85	0.03
21.75	10.76	7.58	1.15	24.35	11.04	7.85	0.01
21.80	10.76	7.59	1.15	24.40	11.04	7.85	0.00
21.85	10.77	7.60	1.14	24.45	11.04	7.85	0.00
21.90	10.78	7.60	1.14	24.50	11.04	7.85	0.00
21.95	10.78	7.61	1.13	24.55	11.04	7.85	0.00
22.00	10.79	7.62	1.13	24.60	11.04	7.85	0.00
22.05	10.80	7.62	1.12	24.65	11.04	7.85	0.00
22.10	10.80	7.63	1.12	24.70	11.04	7.85	0.00
22.15	10.81	7.63	1.11	24.75	11.04	7.85	0.00
22.20	10.82	7.64	1.11	24.80	11.04	7.85	0.00
22.25	10.82	7.65	1.11	24.85	11.04	7.85	0.00
22.30	10.83	7.65	1.10	24.90	11.04	7.85	0.00
22.35	10.84	7.66	1.10	24.95	11.04	7.85	0.00
22.40	10.84	7.67	1.09	25.00	11.04	7.85	0.00
22.45	10.85	7.67	1.08	25.05	11.04	7.85	0.00
22.50	10.86	7.68	1.08	25.10	11.04	7.85	0.00
22.55	10.86	7.68	1.08	25.15	11.04	7.85	0.00
22.60	10.87	7.69	1.07	25.20	11.04	7.85	0.00
22.65	10.88	7.70	1.07	25.25	11.04	7.85	0.00
22.70	10.88	7.70	1.07	25.30	11.04	7.85	0.00
22.75	10.89	7.71	1.06	25.35	11.04	7.85	0.00
22.80	10.89	7.71	1.05	25.40	11.04	7.85	0.00
22.85	10.90	7.72	1.05	25.45	11.04	7.85	0.00
22.90	10.91	7.73	1.04	25.50	11.04	7.85	0.00
22.95	10.91	7.73	1.04	25.55	11.04	7.85	0.00
23.00	10.92	7.74	1.04	25.60	11.04	7.85	0.00
23.05	10.93	7.74	1.04	25.65	11.04	7.85	0.00
23.10	10.93	7.75	1.03	25.70	11.04	7.85	0.00
23.15	10.94	7.75	1.02	25.75	11.04	7.85	0.00
23.20	10.94	7.76	1.02	25.80	11.04	7.85	0.00
23.25	10.95	7.77	1.01	25.85	11.04	7.85	0.00
23.30	10.96	7.77	1.01	25.90	11.04	7.85	0.00
23.35	10.96	7.78	1.00	25.95	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.85	0.00	28.60	11.04	7.85	0.00
26.05	11.04	7.85	0.00	28.65	11.04	7.85	0.00
26.10	11.04	7.85	0.00	28.70	11.04	7.85	0.00
26.15	11.04	7.85	0.00	28.75	11.04	7.85	0.00
26.20	11.04	7.85	0.00	28.80	11.04	7.85	0.00
26.25	11.04	7.85	0.00	28.85	11.04	7.85	0.00
26.30	11.04	7.85	0.00	28.90	11.04	7.85	0.00
26.35	11.04	7.85	0.00	28.95	11.04	7.85	0.00
26.40	11.04	7.85	0.00	29.00	11.04	7.85	0.00
26.45	11.04	7.85	0.00	29.05	11.04	7.85	0.00
26.50	11.04	7.85	0.00	29.10	11.04	7.85	0.00
26.55	11.04	7.85	0.00	29.15	11.04	7.85	0.00
26.60	11.04	7.85	0.00	29.20	11.04	7.85	0.00
26.65	11.04	7.85	0.00	29.25	11.04	7.85	0.00
26.70	11.04	7.85	0.00	29.30	11.04	7.85	0.00
26.75	11.04	7.85	0.00	29.35	11.04	7.85	0.00
26.80	11.04	7.85	0.00	29.40	11.04	7.85	0.00
26.85	11.04	7.85	0.00	29.45	11.04	7.85	0.00
26.90	11.04	7.85	0.00	29.50	11.04	7.85	0.00
26.95	11.04	7.85	0.00	29.55	11.04	7.85	0.00
27.00	11.04	7.85	0.00	29.60	11.04	7.85	0.00
27.05	11.04	7.85	0.00	29.65	11.04	7.85	0.00
27.10	11.04	7.85	0.00	29.70	11.04	7.85	0.00
27.15	11.04	7.85	0.00	29.75	11.04	7.85	0.00
27.20	11.04	7.85	0.00	29.80	11.04	7.85	0.00
27.25	11.04	7.85	0.00	29.85	11.04	7.85	0.00
27.30	11.04	7.85	0.00	29.90	11.04	7.85	0.00
27.35	11.04	7.85	0.00	29.95	11.04	7.85	0.00
27.40	11.04	7.85	0.00	30.00	11.04	7.85	0.00
27.45	11.04	7.85	0.00	30.05	11.04	7.85	0.00
27.50	11.04	7.85	0.00	30.10	11.04	7.85	0.00
27.55	11.04	7.85	0.00	30.15	11.04	7.85	0.00
27.60	11.04	7.85	0.00	30.20	11.04	7.85	0.00
27.65	11.04	7.85	0.00	30.25	11.04	7.85	0.00
27.70	11.04	7.85	0.00	30.30	11.04	7.85	0.00
27.75	11.04	7.85	0.00	30.35	11.04	7.85	0.00
27.80	11.04	7.85	0.00	30.40	11.04	7.85	0.00
27.85	11.04	7.85	0.00	30.45	11.04	7.85	0.00
27.90	11.04	7.85	0.00	30.50	11.04	7.85	0.00
27.95	11.04	7.85	0.00	30.55	11.04	7.85	0.00
28.00	11.04	7.85	0.00	30.60	11.04	7.85	0.00
28.05	11.04	7.85	0.00	30.65	11.04	7.85	0.00
28.10	11.04	7.85	0.00	30.70	11.04	7.85	0.00
28.15	11.04	7.85	0.00	30.75	11.04	7.85	0.00
28.20	11.04	7.85	0.00	30.80	11.04	7.85	0.00
28.25	11.04	7.85	0.00	30.85	11.04	7.85	0.00
28.30	11.04	7.85	0.00	30.90	11.04	7.85	0.00
28.35	11.04	7.85	0.00	30.95	11.04	7.85	0.00
28.40	11.04	7.85	0.00	31.00	11.04	7.85	0.00
28.45	11.04	7.85	0.00	31.05	11.04	7.85	0.00
28.50	11.04	7.85	0.00	31.10	11.04	7.85	0.00
28.55	11.04	7.85	0.00	31.15	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.85	0.00	33.80	11.04	7.85	0.00
31.25	11.04	7.85	0.00	33.85	11.04	7.85	0.00
31.30	11.04	7.85	0.00	33.90	11.04	7.85	0.00
31.35	11.04	7.85	0.00	33.95	11.04	7.85	0.00
31.40	11.04	7.85	0.00	34.00	11.04	7.85	0.00
31.45	11.04	7.85	0.00	34.05	11.04	7.85	0.00
31.50	11.04	7.85	0.00	34.10	11.04	7.85	0.00
31.55	11.04	7.85	0.00	34.15	11.04	7.85	0.00
31.60	11.04	7.85	0.00	34.20	11.04	7.85	0.00
31.65	11.04	7.85	0.00	34.25	11.04	7.85	0.00
31.70	11.04	7.85	0.00	34.30	11.04	7.85	0.00
31.75	11.04	7.85	0.00	34.35	11.04	7.85	0.00
31.80	11.04	7.85	0.00	34.40	11.04	7.85	0.00
31.85	11.04	7.85	0.00	34.45	11.04	7.85	0.00
31.90	11.04	7.85	0.00	34.50	11.04	7.85	0.00
31.95	11.04	7.85	0.00	34.55	11.04	7.85	0.00
32.00	11.04	7.85	0.00	34.60	11.04	7.85	0.00
32.05	11.04	7.85	0.00	34.65	11.04	7.85	0.00
32.10	11.04	7.85	0.00	34.70	11.04	7.85	0.00
32.15	11.04	7.85	0.00	34.75	11.04	7.85	0.00
32.20	11.04	7.85	0.00	34.80	11.04	7.85	0.00
32.25	11.04	7.85	0.00	34.85	11.04	7.85	0.00
32.30	11.04	7.85	0.00	34.90	11.04	7.85	0.00
32.35	11.04	7.85	0.00	34.95	11.04	7.85	0.00
32.40	11.04	7.85	0.00	35.00	11.04	7.85	0.00
32.45	11.04	7.85	0.00	35.05	11.04	7.85	0.00
32.50	11.04	7.85	0.00	35.10	11.04	7.85	0.00
32.55	11.04	7.85	0.00	35.15	11.04	7.85	0.00
32.60	11.04	7.85	0.00	35.20	11.04	7.85	0.00
32.65	11.04	7.85	0.00	35.25	11.04	7.85	0.00
32.70	11.04	7.85	0.00	35.30	11.04	7.85	0.00
32.75	11.04	7.85	0.00	35.35	11.04	7.85	0.00
32.80	11.04	7.85	0.00	35.40	11.04	7.85	0.00
32.85	11.04	7.85	0.00	35.45	11.04	7.85	0.00
32.90	11.04	7.85	0.00	35.50	11.04	7.85	0.00
32.95	11.04	7.85	0.00	35.55	11.04	7.85	0.00
33.00	11.04	7.85	0.00	35.60	11.04	7.85	0.00
33.05	11.04	7.85	0.00	35.65	11.04	7.85	0.00
33.10	11.04	7.85	0.00	35.70	11.04	7.85	0.00
33.15	11.04	7.85	0.00	35.75	11.04	7.85	0.00
33.20	11.04	7.85	0.00	35.80	11.04	7.85	0.00
33.25	11.04	7.85	0.00	35.85	11.04	7.85	0.00
33.30	11.04	7.85	0.00	35.90	11.04	7.85	0.00
33.35	11.04	7.85	0.00	35.95	11.04	7.85	0.00
33.40	11.04	7.85	0.00	36.00	11.04	7.85	0.00
33.45	11.04	7.85	0.00	36.05	11.04	7.85	0.00
33.50	11.04	7.85	0.00	36.10	11.04	7.85	0.00
33.55	11.04	7.85	0.00	36.15	11.04	7.85	0.00
33.60	11.04	7.85	0.00	36.20	11.04	7.85	0.00
33.65	11.04	7.85	0.00	36.25	11.04	7.85	0.00
33.70	11.04	7.85	0.00	36.30	11.04	7.85	0.00
33.75	11.04	7.85	0.00	36.35	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.85	0.00	39.00	11.04	7.85	0.00
36.45	11.04	7.85	0.00	39.05	11.04	7.85	0.00
36.50	11.04	7.85	0.00	39.10	11.04	7.85	0.00
36.55	11.04	7.85	0.00	39.15	11.04	7.85	0.00
36.60	11.04	7.85	0.00	39.20	11.04	7.85	0.00
36.65	11.04	7.85	0.00	39.25	11.04	7.85	0.00
36.70	11.04	7.85	0.00	39.30	11.04	7.85	0.00
36.75	11.04	7.85	0.00	39.35	11.04	7.85	0.00
36.80	11.04	7.85	0.00	39.40	11.04	7.85	0.00
36.85	11.04	7.85	0.00	39.45	11.04	7.85	0.00
36.90	11.04	7.85	0.00	39.50	11.04	7.85	0.00
36.95	11.04	7.85	0.00	39.55	11.04	7.85	0.00
37.00	11.04	7.85	0.00	39.60	11.04	7.85	0.00
37.05	11.04	7.85	0.00	39.65	11.04	7.85	0.00
37.10	11.04	7.85	0.00	39.70	11.04	7.85	0.00
37.15	11.04	7.85	0.00	39.75	11.04	7.85	0.00
37.20	11.04	7.85	0.00	39.80	11.04	7.85	0.00
37.25	11.04	7.85	0.00	39.85	11.04	7.85	0.00
37.30	11.04	7.85	0.00	39.90	11.04	7.85	0.00
37.35	11.04	7.85	0.00	39.95	11.04	7.85	0.00
37.40	11.04	7.85	0.00	40.00	11.04	7.85	0.00
37.45	11.04	7.85	0.00				
37.50	11.04	7.85	0.00				
37.55	11.04	7.85	0.00				
37.60	11.04	7.85	0.00				
37.65	11.04	7.85	0.00				
37.70	11.04	7.85	0.00				
37.75	11.04	7.85	0.00				
37.80	11.04	7.85	0.00				
37.85	11.04	7.85	0.00				
37.90	11.04	7.85	0.00				
37.95	11.04	7.85	0.00				
38.00	11.04	7.85	0.00				
38.05	11.04	7.85	0.00				
38.10	11.04	7.85	0.00				
38.15	11.04	7.85	0.00				
38.20	11.04	7.85	0.00				
38.25	11.04	7.85	0.00				
38.30	11.04	7.85	0.00				
38.35	11.04	7.85	0.00				
38.40	11.04	7.85	0.00				
38.45	11.04	7.85	0.00				
38.50	11.04	7.85	0.00				
38.55	11.04	7.85	0.00				
38.60	11.04	7.85	0.00				
38.65	11.04	7.85	0.00				
38.70	11.04	7.85	0.00				
38.75	11.04	7.85	0.00				
38.80	11.04	7.85	0.00				
38.85	11.04	7.85	0.00				
38.90	11.04	7.85	0.00				
38.95	11.04	7.85	0.00				

Summary for Subcatchment X-6l: XDA-6 (offsite impervious)

Runoff = 7.99 cfs @ 12.16 hrs, Volume= 0.684 af, Depth=10.80"
Routed to Link XDA-6O : XDA-6O

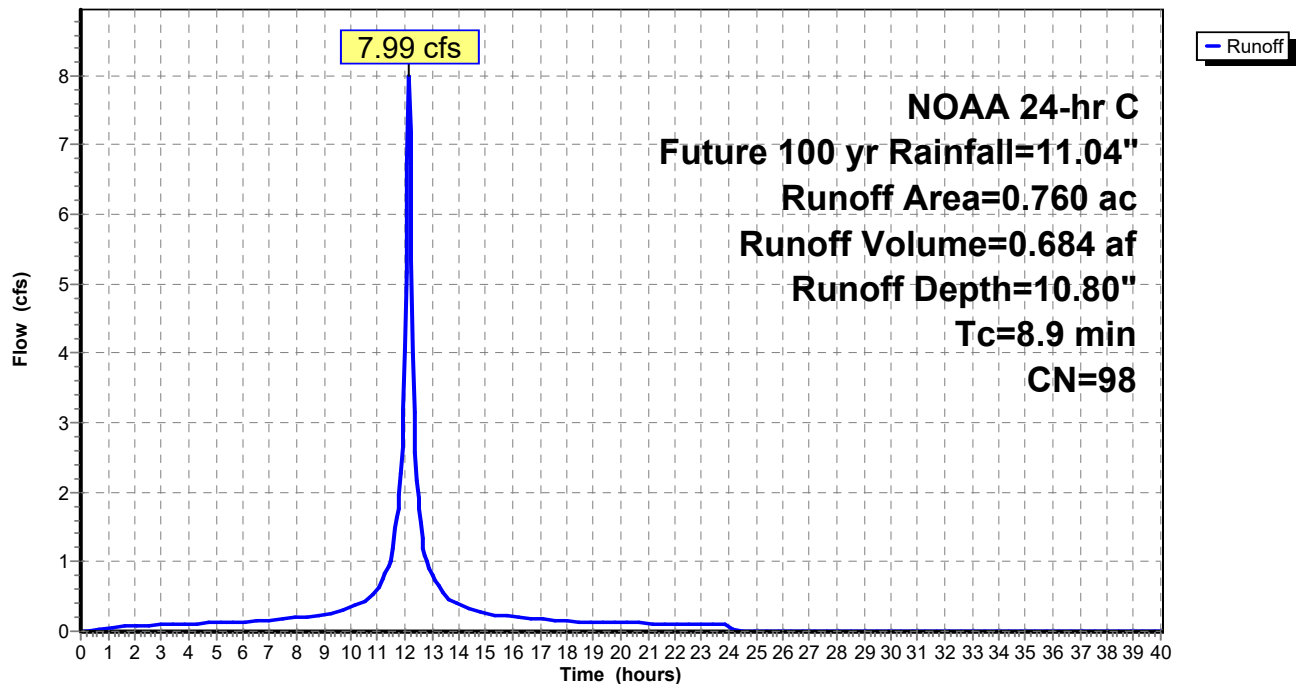
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
* 0.760	98	
0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6l: XDA-6 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.09
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.09
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.09
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.09
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.09
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.09
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.09
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.09
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.00	3.10	0.40	0.23	0.10
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.10
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.10
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.10
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.10
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.10
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.10
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.10
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.10
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.10
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.10
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.10
1.10	0.13	0.03	0.04	3.70	0.49	0.31	0.10
1.15	0.14	0.03	0.05	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.11
1.25	0.15	0.04	0.05	3.85	0.52	0.33	0.11
1.30	0.16	0.04	0.05	3.90	0.52	0.34	0.11
1.35	0.16	0.05	0.05	3.95	0.53	0.35	0.11
1.40	0.17	0.05	0.06	4.00	0.54	0.35	0.11
1.45	0.18	0.05	0.06	4.05	0.55	0.36	0.11
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.11
1.55	0.19	0.06	0.06	4.15	0.56	0.38	0.11
1.60	0.20	0.07	0.06	4.20	0.57	0.38	0.11
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.11
1.70	0.21	0.08	0.07	4.30	0.59	0.40	0.11
1.75	0.22	0.08	0.07	4.35	0.60	0.41	0.11
1.80	0.22	0.09	0.07	4.40	0.60	0.41	0.11
1.85	0.23	0.09	0.07	4.45	0.61	0.42	0.11
1.90	0.24	0.10	0.07	4.50	0.62	0.43	0.11
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.11
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.12
2.05	0.26	0.11	0.08	4.65	0.64	0.45	0.12
2.10	0.26	0.12	0.08	4.70	0.65	0.46	0.12
2.15	0.27	0.12	0.08	4.75	0.66	0.47	0.12
2.20	0.28	0.13	0.08	4.80	0.67	0.47	0.12
2.25	0.28	0.13	0.08	4.85	0.68	0.48	0.12
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.12
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.12
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.12
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.12
2.50	0.32	0.16	0.09	5.10	0.72	0.52	0.12
2.55	0.33	0.17	0.09	5.15	0.73	0.53	0.12

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.12	7.80	1.27	1.05	0.19
5.25	0.74	0.55	0.12	7.85	1.28	1.07	0.19
5.30	0.75	0.55	0.12	7.90	1.30	1.08	0.19
5.35	0.76	0.56	0.12	7.95	1.31	1.09	0.19
5.40	0.77	0.57	0.12	8.00	1.32	1.11	0.20
5.45	0.78	0.58	0.12	8.05	1.34	1.12	0.20
5.50	0.79	0.59	0.12	8.10	1.35	1.13	0.20
5.55	0.80	0.59	0.13	8.15	1.36	1.15	0.20
5.60	0.80	0.60	0.13	8.20	1.38	1.16	0.20
5.65	0.81	0.61	0.13	8.25	1.39	1.17	0.21
5.70	0.82	0.62	0.13	8.30	1.40	1.19	0.21
5.75	0.83	0.63	0.13	8.35	1.42	1.20	0.21
5.80	0.84	0.64	0.13	8.40	1.43	1.21	0.21
5.85	0.85	0.64	0.13	8.45	1.45	1.23	0.21
5.90	0.86	0.65	0.13	8.50	1.46	1.24	0.21
5.95	0.87	0.66	0.13	8.55	1.48	1.26	0.22
6.00	0.87	0.67	0.13	8.60	1.49	1.27	0.22
6.05	0.88	0.68	0.13	8.65	1.51	1.29	0.22
6.10	0.89	0.69	0.13	8.70	1.52	1.30	0.22
6.15	0.90	0.70	0.13	8.75	1.54	1.32	0.22
6.20	0.91	0.71	0.13	8.80	1.55	1.33	0.22
6.25	0.92	0.71	0.14	8.85	1.57	1.35	0.23
6.30	0.93	0.72	0.14	8.90	1.58	1.36	0.23
6.35	0.94	0.73	0.14	8.95	1.60	1.38	0.23
6.40	0.95	0.74	0.14	9.00	1.61	1.39	0.23
6.45	0.96	0.75	0.14	9.05	1.63	1.41	0.23
6.50	0.97	0.76	0.15	9.10	1.64	1.42	0.24
6.55	0.98	0.77	0.15	9.15	1.66	1.44	0.24
6.60	0.99	0.78	0.15	9.20	1.68	1.46	0.25
6.65	1.00	0.79	0.15	9.25	1.70	1.47	0.25
6.70	1.01	0.80	0.15	9.30	1.72	1.49	0.26
6.75	1.02	0.81	0.15	9.35	1.73	1.51	0.27
6.80	1.03	0.82	0.16	9.40	1.75	1.53	0.27
6.85	1.04	0.83	0.16	9.45	1.77	1.55	0.28
6.90	1.05	0.84	0.16	9.50	1.79	1.57	0.29
6.95	1.07	0.85	0.16	9.55	1.81	1.59	0.29
7.00	1.08	0.87	0.16	9.60	1.83	1.61	0.30
7.05	1.09	0.88	0.16	9.65	1.85	1.63	0.31
7.10	1.10	0.89	0.17	9.70	1.88	1.65	0.31
7.15	1.11	0.90	0.17	9.75	1.90	1.67	0.32
7.20	1.12	0.91	0.17	9.80	1.92	1.69	0.32
7.25	1.13	0.92	0.17	9.85	1.94	1.72	0.33
7.30	1.15	0.93	0.17	9.90	1.97	1.74	0.34
7.35	1.16	0.94	0.17	9.95	1.99	1.76	0.34
7.40	1.17	0.96	0.18	10.00	2.01	1.79	0.35
7.45	1.18	0.97	0.18	10.05	2.04	1.81	0.36
7.50	1.19	0.98	0.18	10.10	2.06	1.84	0.36
7.55	1.21	0.99	0.18	10.15	2.09	1.86	0.37
7.60	1.22	1.00	0.18	10.20	2.11	1.89	0.38
7.65	1.23	1.02	0.18	10.25	2.14	1.91	0.38
7.70	1.24	1.03	0.19	10.30	2.17	1.94	0.39
7.75	1.26	1.04	0.19	10.35	2.19	1.97	0.39

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.40	13.00	8.39	8.15	0.84
10.45	2.25	2.02	0.41	13.05	8.43	8.19	0.80
10.50	2.28	2.05	0.41	13.10	8.48	8.24	0.75
10.55	2.31	2.08	0.42	13.15	8.52	8.28	0.71
10.60	2.34	2.11	0.44	13.20	8.56	8.32	0.67
10.65	2.37	2.14	0.46	13.25	8.60	8.36	0.64
10.70	2.41	2.18	0.48	13.30	8.63	8.39	0.62
10.75	2.44	2.21	0.50	13.35	8.67	8.43	0.59
10.80	2.48	2.25	0.53	13.40	8.70	8.46	0.57
10.85	2.52	2.29	0.55	13.45	8.73	8.49	0.54
10.90	2.56	2.33	0.58	13.50	8.76	8.52	0.52
10.95	2.61	2.38	0.60	13.55	8.79	8.55	0.49
11.00	2.65	2.42	0.62	13.60	8.82	8.58	0.47
11.05	2.70	2.47	0.65	13.65	8.85	8.61	0.45
11.10	2.75	2.52	0.69	13.70	8.87	8.63	0.43
11.15	2.80	2.57	0.73	13.75	8.90	8.66	0.42
11.20	2.86	2.63	0.77	13.80	8.93	8.69	0.41
11.25	2.92	2.69	0.81	13.85	8.95	8.71	0.41
11.30	2.98	2.75	0.86	13.90	8.98	8.74	0.40
11.35	3.05	2.82	0.91	13.95	9.00	8.76	0.39
11.40	3.12	2.89	0.95	14.00	9.03	8.79	0.39
11.45	3.19	2.96	0.99	14.05	9.05	8.81	0.38
11.50	3.26	3.03	1.04	14.10	9.07	8.83	0.37
11.55	3.37	3.14	1.10	14.15	9.10	8.86	0.37
11.60	3.49	3.25	1.28	14.20	9.12	8.88	0.36
11.65	3.60	3.37	1.49	14.25	9.14	8.90	0.36
11.70	3.72	3.49	1.64	14.30	9.16	8.92	0.35
11.75	3.88	3.65	1.76	14.35	9.19	8.95	0.34
11.80	4.04	3.81	1.97	14.40	9.21	8.97	0.34
11.85	4.27	4.03	2.26	14.45	9.23	8.99	0.33
11.90	4.49	4.25	2.66	14.50	9.25	9.01	0.32
11.95	4.88	4.64	3.17	14.55	9.27	9.03	0.32
12.00	5.26	5.02	4.03	14.60	9.29	9.05	0.31
12.05	5.91	5.67	5.16	14.65	9.31	9.07	0.31
12.10	6.55	6.31	6.72	14.70	9.32	9.08	0.30
12.15	6.77	6.53	7.98	14.75	9.34	9.10	0.29
12.20	7.00	6.76	7.18	14.80	9.36	9.12	0.29
12.25	7.16	6.92	5.34	14.85	9.38	9.14	0.28
12.30	7.32	7.08	3.98	14.90	9.40	9.15	0.27
12.35	7.44	7.20	3.14	14.95	9.41	9.17	0.27
12.40	7.55	7.31	2.57	15.00	9.43	9.19	0.26
12.45	7.67	7.43	2.16	15.05	9.44	9.20	0.25
12.50	7.78	7.54	1.93	15.10	9.46	9.22	0.25
12.55	7.85	7.61	1.78	15.15	9.47	9.23	0.24
12.60	7.92	7.68	1.56	15.20	9.49	9.25	0.24
12.65	7.99	7.75	1.33	15.25	9.50	9.26	0.24
12.70	8.06	7.82	1.18	15.30	9.52	9.28	0.23
12.75	8.12	7.88	1.10	15.35	9.53	9.29	0.23
12.80	8.18	7.94	1.03	15.40	9.55	9.31	0.23
12.85	8.24	8.00	0.98	15.45	9.56	9.32	0.23
12.90	8.29	8.05	0.93	15.50	9.58	9.34	0.23
12.95	8.34	8.10	0.89	15.55	9.59	9.35	0.22

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.22	18.20	10.20	9.96	0.14
15.65	9.62	9.38	0.22	18.25	10.21	9.97	0.14
15.70	9.64	9.39	0.22	18.30	10.22	9.98	0.14
15.75	9.65	9.41	0.22	18.35	10.23	9.99	0.13
15.80	9.66	9.42	0.22	18.40	10.24	9.99	0.13
15.85	9.68	9.44	0.21	18.45	10.24	10.00	0.13
15.90	9.69	9.45	0.21	18.50	10.25	10.01	0.13
15.95	9.70	9.46	0.21	18.55	10.26	10.02	0.13
16.00	9.72	9.48	0.21	18.60	10.27	10.03	0.13
16.05	9.73	9.49	0.21	18.65	10.28	10.04	0.13
16.10	9.74	9.50	0.21	18.70	10.29	10.05	0.13
16.15	9.76	9.52	0.20	18.75	10.30	10.05	0.13
16.20	9.77	9.53	0.20	18.80	10.30	10.06	0.13
16.25	9.78	9.54	0.20	18.85	10.31	10.07	0.13
16.30	9.80	9.55	0.20	18.90	10.32	10.08	0.13
16.35	9.81	9.57	0.20	18.95	10.33	10.09	0.13
16.40	9.82	9.58	0.20	19.00	10.34	10.10	0.13
16.45	9.83	9.59	0.19	19.05	10.35	10.11	0.13
16.50	9.85	9.60	0.19	19.10	10.35	10.11	0.13
16.55	9.86	9.62	0.19	19.15	10.36	10.12	0.13
16.60	9.87	9.63	0.19	19.20	10.37	10.13	0.13
16.65	9.88	9.64	0.19	19.25	10.38	10.14	0.13
16.70	9.89	9.65	0.19	19.30	10.39	10.15	0.13
16.75	9.91	9.66	0.18	19.35	10.40	10.15	0.13
16.80	9.92	9.68	0.18	19.40	10.40	10.16	0.13
16.85	9.93	9.69	0.18	19.45	10.41	10.17	0.13
16.90	9.94	9.70	0.18	19.50	10.42	10.18	0.13
16.95	9.95	9.71	0.18	19.55	10.43	10.19	0.12
17.00	9.96	9.72	0.18	19.60	10.44	10.20	0.12
17.05	9.97	9.73	0.17	19.65	10.44	10.20	0.12
17.10	9.99	9.74	0.17	19.70	10.45	10.21	0.12
17.15	10.00	9.76	0.17	19.75	10.46	10.22	0.12
17.20	10.01	9.77	0.17	19.80	10.47	10.23	0.12
17.25	10.02	9.78	0.17	19.85	10.48	10.24	0.12
17.30	10.03	9.79	0.17	19.90	10.48	10.24	0.12
17.35	10.04	9.80	0.16	19.95	10.49	10.25	0.12
17.40	10.05	9.81	0.16	20.00	10.50	10.26	0.12
17.45	10.06	9.82	0.16	20.05	10.51	10.27	0.12
17.50	10.07	9.83	0.16	20.10	10.52	10.27	0.12
17.55	10.08	9.84	0.16	20.15	10.52	10.28	0.12
17.60	10.09	9.85	0.16	20.20	10.53	10.29	0.12
17.65	10.10	9.86	0.15	20.25	10.54	10.30	0.12
17.70	10.11	9.87	0.15	20.30	10.55	10.31	0.12
17.75	10.12	9.88	0.15	20.35	10.55	10.31	0.12
17.80	10.13	9.89	0.15	20.40	10.56	10.32	0.12
17.85	10.14	9.90	0.15	20.45	10.57	10.33	0.12
17.90	10.15	9.91	0.15	20.50	10.58	10.34	0.12
17.95	10.16	9.92	0.14	20.55	10.58	10.34	0.12
18.00	10.17	9.92	0.14	20.60	10.59	10.35	0.12
18.05	10.17	9.93	0.14	20.65	10.60	10.36	0.12
18.10	10.18	9.94	0.14	20.70	10.61	10.37	0.12
18.15	10.19	9.95	0.14	20.75	10.61	10.37	0.11

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.11	23.40	10.97	10.73	0.09
20.85	10.63	10.39	0.11	23.45	10.97	10.73	0.09
20.90	10.64	10.39	0.11	23.50	10.98	10.74	0.09
20.95	10.64	10.40	0.11	23.55	10.99	10.74	0.09
21.00	10.65	10.41	0.11	23.60	10.99	10.75	0.09
21.05	10.66	10.42	0.11	23.65	11.00	10.76	0.09
21.10	10.66	10.42	0.11	23.70	11.00	10.76	0.09
21.15	10.67	10.43	0.11	23.75	11.01	10.77	0.09
21.20	10.68	10.44	0.11	23.80	11.01	10.77	0.09
21.25	10.69	10.45	0.11	23.85	11.02	10.78	0.09
21.30	10.69	10.45	0.11	23.90	11.03	10.78	0.09
21.35	10.70	10.46	0.11	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.11	24.00	11.04	10.80	0.09
21.45	10.71	10.47	0.11	24.05	11.04	10.80	0.10
21.50	10.72	10.48	0.11	24.10	11.04	10.80	0.07
21.55	10.73	10.49	0.11	24.15	11.04	10.80	0.04
21.60	10.74	10.49	0.11	24.20	11.04	10.80	0.02
21.65	10.74	10.50	0.11	24.25	11.04	10.80	0.01
21.70	10.75	10.51	0.11	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.11	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.11	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.11	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.11	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.10	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.10	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.10	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.10	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.10	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.10	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.10	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.10	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.10	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.10	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.10	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.10	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.10	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.10	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.10	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.10	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.10	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.10	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.10	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.10	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.10	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.10	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.10	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.10	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.09	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.09	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.09	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.09	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.09	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00	39.00	11.04	10.80	0.00
36.45	11.04	10.80	0.00	39.05	11.04	10.80	0.00
36.50	11.04	10.80	0.00	39.10	11.04	10.80	0.00
36.55	11.04	10.80	0.00	39.15	11.04	10.80	0.00
36.60	11.04	10.80	0.00	39.20	11.04	10.80	0.00
36.65	11.04	10.80	0.00	39.25	11.04	10.80	0.00
36.70	11.04	10.80	0.00	39.30	11.04	10.80	0.00
36.75	11.04	10.80	0.00	39.35	11.04	10.80	0.00
36.80	11.04	10.80	0.00	39.40	11.04	10.80	0.00
36.85	11.04	10.80	0.00	39.45	11.04	10.80	0.00
36.90	11.04	10.80	0.00	39.50	11.04	10.80	0.00
36.95	11.04	10.80	0.00	39.55	11.04	10.80	0.00
37.00	11.04	10.80	0.00	39.60	11.04	10.80	0.00
37.05	11.04	10.80	0.00	39.65	11.04	10.80	0.00
37.10	11.04	10.80	0.00	39.70	11.04	10.80	0.00
37.15	11.04	10.80	0.00	39.75	11.04	10.80	0.00
37.20	11.04	10.80	0.00	39.80	11.04	10.80	0.00
37.25	11.04	10.80	0.00	39.85	11.04	10.80	0.00
37.30	11.04	10.80	0.00	39.90	11.04	10.80	0.00
37.35	11.04	10.80	0.00	39.95	11.04	10.80	0.00
37.40	11.04	10.80	0.00	40.00	11.04	10.80	0.00
37.45	11.04	10.80	0.00				
37.50	11.04	10.80	0.00				
37.55	11.04	10.80	0.00				
37.60	11.04	10.80	0.00				
37.65	11.04	10.80	0.00				
37.70	11.04	10.80	0.00				
37.75	11.04	10.80	0.00				
37.80	11.04	10.80	0.00				
37.85	11.04	10.80	0.00				
37.90	11.04	10.80	0.00				
37.95	11.04	10.80	0.00				
38.00	11.04	10.80	0.00				
38.05	11.04	10.80	0.00				
38.10	11.04	10.80	0.00				
38.15	11.04	10.80	0.00				
38.20	11.04	10.80	0.00				
38.25	11.04	10.80	0.00				
38.30	11.04	10.80	0.00				
38.35	11.04	10.80	0.00				
38.40	11.04	10.80	0.00				
38.45	11.04	10.80	0.00				
38.50	11.04	10.80	0.00				
38.55	11.04	10.80	0.00				
38.60	11.04	10.80	0.00				
38.65	11.04	10.80	0.00				
38.70	11.04	10.80	0.00				
38.75	11.04	10.80	0.00				
38.80	11.04	10.80	0.00				
38.85	11.04	10.80	0.00				
38.90	11.04	10.80	0.00				
38.95	11.04	10.80	0.00				

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

Runoff = 220.31 cfs @ 12.16 hrs, Volume= 16.125 af, Depth= 7.30"

Routed to Link XDA-6 : Existing Drainage Area #6

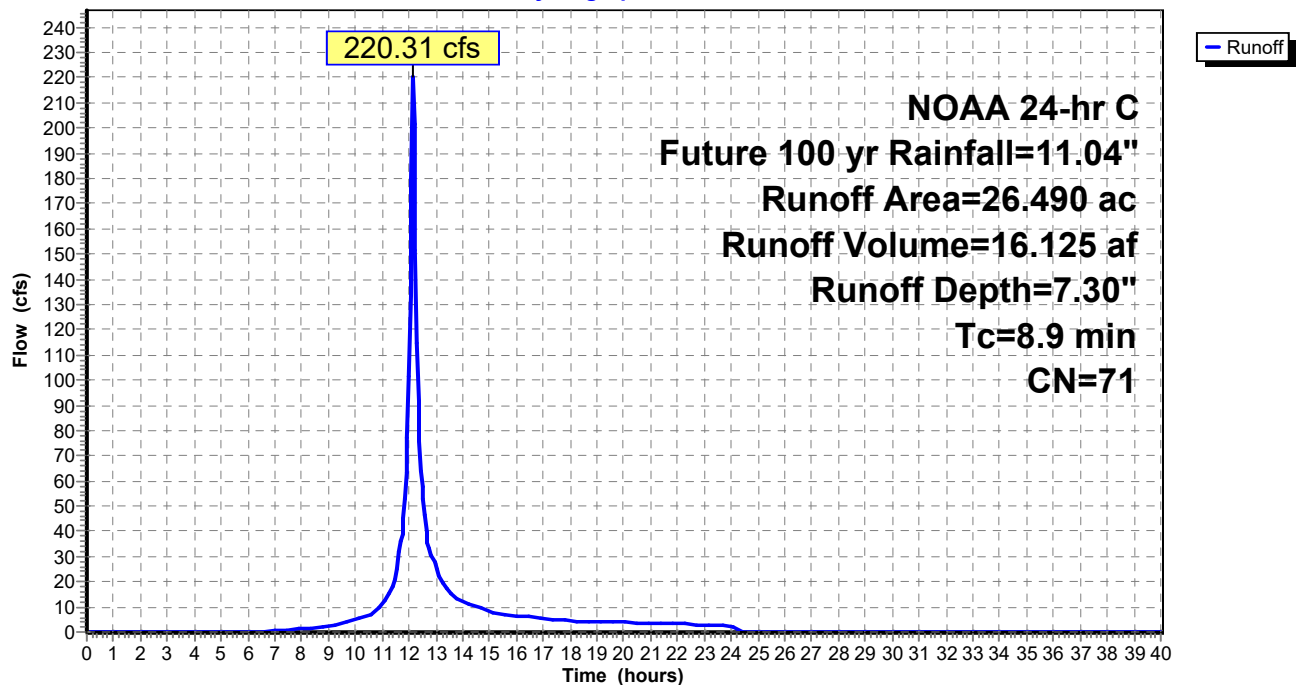
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6P: XDA-6 (onsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.05	1.20
5.25	0.74	0.00	0.00	7.85	1.28	0.05	1.24
5.30	0.75	0.00	0.00	7.90	1.30	0.05	1.28
5.35	0.76	0.00	0.00	7.95	1.31	0.05	1.32
5.40	0.77	0.00	0.00	8.00	1.32	0.06	1.37
5.45	0.78	0.00	0.00	8.05	1.34	0.06	1.41
5.50	0.79	0.00	0.00	8.10	1.35	0.06	1.46
5.55	0.80	0.00	0.00	8.15	1.36	0.06	1.50
5.60	0.80	0.00	0.00	8.20	1.38	0.07	1.55
5.65	0.81	0.00	0.00	8.25	1.39	0.07	1.59
5.70	0.82	0.00	0.00	8.30	1.40	0.07	1.64
5.75	0.83	0.00	0.00	8.35	1.42	0.08	1.69
5.80	0.84	0.00	0.01	8.40	1.43	0.08	1.73
5.85	0.85	0.00	0.02	8.45	1.45	0.08	1.78
5.90	0.86	0.00	0.04	8.50	1.46	0.09	1.83
5.95	0.87	0.00	0.06	8.55	1.48	0.09	1.88
6.00	0.87	0.00	0.08	8.60	1.49	0.10	1.93
6.05	0.88	0.00	0.10	8.65	1.51	0.10	1.98
6.10	0.89	0.00	0.12	8.70	1.52	0.10	2.03
6.15	0.90	0.00	0.14	8.75	1.54	0.11	2.08
6.20	0.91	0.00	0.16	8.80	1.55	0.11	2.13
6.25	0.92	0.00	0.19	8.85	1.57	0.12	2.18
6.30	0.93	0.00	0.21	8.90	1.58	0.12	2.24
6.35	0.94	0.00	0.23	8.95	1.60	0.13	2.29
6.40	0.95	0.00	0.26	9.00	1.61	0.13	2.34
6.45	0.96	0.00	0.28	9.05	1.63	0.13	2.41
6.50	0.97	0.01	0.31	9.10	1.64	0.14	2.48
6.55	0.98	0.01	0.34	9.15	1.66	0.14	2.58
6.60	0.99	0.01	0.36	9.20	1.68	0.15	2.68
6.65	1.00	0.01	0.39	9.25	1.70	0.16	2.79
6.70	1.01	0.01	0.42	9.30	1.72	0.16	2.90
6.75	1.02	0.01	0.45	9.35	1.73	0.17	3.02
6.80	1.03	0.01	0.48	9.40	1.75	0.17	3.13
6.85	1.04	0.01	0.51	9.45	1.77	0.18	3.25
6.90	1.05	0.01	0.54	9.50	1.79	0.19	3.37
6.95	1.07	0.01	0.57	9.55	1.81	0.20	3.50
7.00	1.08	0.02	0.60	9.60	1.83	0.20	3.63
7.05	1.09	0.02	0.64	9.65	1.85	0.21	3.76
7.10	1.10	0.02	0.67	9.70	1.88	0.22	3.90
7.15	1.11	0.02	0.70	9.75	1.90	0.23	4.03
7.20	1.12	0.02	0.74	9.80	1.92	0.23	4.17
7.25	1.13	0.02	0.77	9.85	1.94	0.24	4.31
7.30	1.15	0.02	0.81	9.90	1.97	0.25	4.46
7.35	1.16	0.03	0.84	9.95	1.99	0.26	4.61
7.40	1.17	0.03	0.88	10.00	2.01	0.27	4.76
7.45	1.18	0.03	0.92	10.05	2.04	0.28	4.91
7.50	1.19	0.03	0.96	10.10	2.06	0.29	5.07
7.55	1.21	0.03	1.00	10.15	2.09	0.30	5.23
7.60	1.22	0.04	1.03	10.20	2.11	0.31	5.39
7.65	1.23	0.04	1.07	10.25	2.14	0.32	5.56
7.70	1.24	0.04	1.11	10.30	2.17	0.33	5.72
7.75	1.26	0.04	1.16	10.35	2.19	0.35	5.89

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.36	6.06	13.00	8.39	4.92	25.62
10.45	2.25	0.37	6.23	13.05	8.43	4.96	24.28
10.50	2.28	0.38	6.41	13.10	8.48	5.00	22.91
10.55	2.31	0.40	6.63	13.15	8.52	5.03	21.63
10.60	2.34	0.41	6.96	13.20	8.56	5.07	20.58
10.65	2.37	0.43	7.37	13.25	8.60	5.10	19.72
10.70	2.41	0.45	7.84	13.30	8.63	5.13	18.93
10.75	2.44	0.46	8.32	13.35	8.67	5.16	18.19
10.80	2.48	0.48	8.84	13.40	8.70	5.19	17.44
10.85	2.52	0.50	9.37	13.45	8.73	5.22	16.70
10.90	2.56	0.52	9.92	13.50	8.76	5.25	15.96
10.95	2.61	0.54	10.47	13.55	8.79	5.27	15.23
11.00	2.65	0.57	11.05	13.60	8.82	5.30	14.49
11.05	2.70	0.59	11.67	13.65	8.85	5.32	13.82
11.10	2.75	0.62	12.48	13.70	8.87	5.35	13.36
11.15	2.80	0.65	13.41	13.75	8.90	5.37	13.05
11.20	2.86	0.68	14.43	13.80	8.93	5.39	12.80
11.25	2.92	0.72	15.48	13.85	8.95	5.42	12.59
11.30	2.98	0.75	16.59	13.90	8.98	5.44	12.39
11.35	3.05	0.79	17.71	13.95	9.00	5.46	12.21
11.40	3.12	0.83	18.89	14.00	9.03	5.48	12.01
11.45	3.19	0.87	20.06	14.05	9.05	5.50	11.82
11.50	3.26	0.92	21.20	14.10	9.07	5.52	11.62
11.55	3.37	0.98	22.86	14.15	9.10	5.55	11.43
11.60	3.49	1.05	26.99	14.20	9.12	5.57	11.25
11.65	3.60	1.13	32.14	14.25	9.14	5.59	11.07
11.70	3.72	1.21	35.95	14.30	9.16	5.61	10.87
11.75	3.88	1.31	39.26	14.35	9.19	5.62	10.67
11.80	4.04	1.42	44.99	14.40	9.21	5.64	10.47
11.85	4.27	1.58	52.74	14.45	9.23	5.66	10.28
11.90	4.49	1.74	63.26	14.50	9.25	5.68	10.09
11.95	4.88	2.02	77.25	14.55	9.27	5.70	9.91
12.00	5.26	2.32	101.18	14.60	9.29	5.71	9.71
12.05	5.91	2.82	133.47	14.65	9.31	5.73	9.51
12.10	6.55	3.35	179.62	14.70	9.32	5.75	9.31
12.15	6.77	3.53	219.30	14.75	9.34	5.76	9.12
12.20	7.00	3.72	201.25	14.80	9.36	5.78	8.93
12.25	7.16	3.86	151.68	14.85	9.38	5.80	8.74
12.30	7.32	3.99	114.62	14.90	9.40	5.81	8.54
12.35	7.44	4.09	91.57	14.95	9.41	5.83	8.34
12.40	7.55	4.19	75.45	15.00	9.43	5.84	8.14
12.45	7.67	4.29	63.95	15.05	9.44	5.85	7.95
12.50	7.78	4.39	57.35	15.10	9.46	5.87	7.76
12.55	7.85	4.45	53.08	15.15	9.47	5.88	7.58
12.60	7.92	4.51	46.74	15.20	9.49	5.90	7.46
12.65	7.99	4.57	39.87	15.25	9.50	5.91	7.37
12.70	8.06	4.63	35.54	15.30	9.52	5.92	7.30
12.75	8.12	4.68	33.11	15.35	9.53	5.94	7.25
12.80	8.18	4.74	31.30	15.40	9.55	5.95	7.20
12.85	8.24	4.78	29.79	15.45	9.56	5.96	7.15
12.90	8.29	4.83	28.35	15.50	9.58	5.98	7.10
12.95	8.34	4.88	26.99	15.55	9.59	5.99	7.04

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.00	6.99	18.20	10.20	6.54	4.32
15.65	9.62	6.01	6.95	18.25	10.21	6.55	4.30
15.70	9.64	6.03	6.90	18.30	10.22	6.55	4.28
15.75	9.65	6.04	6.84	18.35	10.23	6.56	4.27
15.80	9.66	6.05	6.78	18.40	10.24	6.57	4.26
15.85	9.68	6.06	6.73	18.45	10.24	6.58	4.24
15.90	9.69	6.08	6.68	18.50	10.25	6.59	4.23
15.95	9.70	6.09	6.64	18.55	10.26	6.59	4.22
16.00	9.72	6.10	6.59	18.60	10.27	6.60	4.20
16.05	9.73	6.11	6.53	18.65	10.28	6.61	4.19
16.10	9.74	6.12	6.48	18.70	10.29	6.62	4.18
16.15	9.76	6.14	6.44	18.75	10.30	6.62	4.16
16.20	9.77	6.15	6.39	18.80	10.30	6.63	4.15
16.25	9.78	6.16	6.34	18.85	10.31	6.64	4.14
16.30	9.80	6.17	6.28	18.90	10.32	6.65	4.13
16.35	9.81	6.18	6.22	18.95	10.33	6.66	4.11
16.40	9.82	6.19	6.17	19.00	10.34	6.66	4.10
16.45	9.83	6.21	6.12	19.05	10.35	6.67	4.09
16.50	9.85	6.22	6.07	19.10	10.35	6.68	4.07
16.55	9.86	6.23	6.01	19.15	10.36	6.69	4.06
16.60	9.87	6.24	5.96	19.20	10.37	6.69	4.05
16.65	9.88	6.25	5.92	19.25	10.38	6.70	4.04
16.70	9.89	6.26	5.87	19.30	10.39	6.71	4.02
16.75	9.91	6.27	5.82	19.35	10.40	6.72	4.01
16.80	9.92	6.28	5.76	19.40	10.40	6.72	4.00
16.85	9.93	6.29	5.70	19.45	10.41	6.73	3.98
16.90	9.94	6.30	5.65	19.50	10.42	6.74	3.97
16.95	9.95	6.31	5.60	19.55	10.43	6.74	3.96
17.00	9.96	6.32	5.56	19.60	10.44	6.75	3.94
17.05	9.97	6.33	5.51	19.65	10.44	6.76	3.93
17.10	9.99	6.34	5.45	19.70	10.45	6.77	3.92
17.15	10.00	6.35	5.40	19.75	10.46	6.77	3.91
17.20	10.01	6.36	5.35	19.80	10.47	6.78	3.90
17.25	10.02	6.37	5.30	19.85	10.48	6.79	3.90
17.30	10.03	6.38	5.24	19.90	10.48	6.80	3.88
17.35	10.04	6.39	5.18	19.95	10.49	6.80	3.86
17.40	10.05	6.40	5.13	20.00	10.50	6.81	3.84
17.45	10.06	6.41	5.08	20.05	10.51	6.82	3.83
17.50	10.07	6.42	5.03	20.10	10.52	6.82	3.82
17.55	10.08	6.43	4.98	20.15	10.52	6.83	3.80
17.60	10.09	6.44	4.93	20.20	10.53	6.84	3.79
17.65	10.10	6.45	4.88	20.25	10.54	6.85	3.78
17.70	10.11	6.45	4.82	20.30	10.55	6.85	3.76
17.75	10.12	6.46	4.77	20.35	10.55	6.86	3.75
17.80	10.13	6.47	4.72	20.40	10.56	6.87	3.74
17.85	10.14	6.48	4.67	20.45	10.57	6.87	3.72
17.90	10.15	6.49	4.61	20.50	10.58	6.88	3.71
17.95	10.16	6.50	4.56	20.55	10.58	6.89	3.70
18.00	10.17	6.51	4.51	20.60	10.59	6.89	3.69
18.05	10.17	6.51	4.46	20.65	10.60	6.90	3.69
18.10	10.18	6.52	4.40	20.70	10.61	6.91	3.67
18.15	10.19	6.53	4.35	20.75	10.61	6.91	3.65

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.92	3.64	23.40	10.97	7.24	2.95
20.85	10.63	6.93	3.62	23.45	10.97	7.24	2.95
20.90	10.64	6.93	3.61	23.50	10.98	7.25	2.93
20.95	10.64	6.94	3.59	23.55	10.99	7.25	2.91
21.00	10.65	6.95	3.58	23.60	10.99	7.26	2.90
21.05	10.66	6.95	3.57	23.65	11.00	7.27	2.88
21.10	10.66	6.96	3.55	23.70	11.00	7.27	2.87
21.15	10.67	6.97	3.54	23.75	11.01	7.28	2.87
21.20	10.68	6.97	3.53	23.80	11.01	7.28	2.85
21.25	10.69	6.98	3.52	23.85	11.02	7.29	2.83
21.30	10.69	6.99	3.51	23.90	11.03	7.29	2.82
21.35	10.70	6.99	3.50	23.95	11.03	7.30	2.84
21.40	10.71	7.00	3.49	24.00	11.04	7.30	3.00
21.45	10.71	7.01	3.47	24.05	11.04	7.30	3.05
21.50	10.72	7.01	3.45	24.10	11.04	7.30	2.28
21.55	10.73	7.02	3.44	24.15	11.04	7.30	1.17
21.60	10.74	7.03	3.42	24.20	11.04	7.30	0.51
21.65	10.74	7.03	3.41	24.25	11.04	7.30	0.22
21.70	10.75	7.04	3.40	24.30	11.04	7.30	0.10
21.75	10.76	7.04	3.38	24.35	11.04	7.30	0.04
21.80	10.76	7.05	3.38	24.40	11.04	7.30	0.02
21.85	10.77	7.06	3.37	24.45	11.04	7.30	0.00
21.90	10.78	7.06	3.36	24.50	11.04	7.30	0.00
21.95	10.78	7.07	3.34	24.55	11.04	7.30	0.00
22.00	10.79	7.08	3.32	24.60	11.04	7.30	0.00
22.05	10.80	7.08	3.30	24.65	11.04	7.30	0.00
22.10	10.80	7.09	3.29	24.70	11.04	7.30	0.00
22.15	10.81	7.09	3.28	24.75	11.04	7.30	0.00
22.20	10.82	7.10	3.27	24.80	11.04	7.30	0.00
22.25	10.82	7.11	3.27	24.85	11.04	7.30	0.00
22.30	10.83	7.11	3.25	24.90	11.04	7.30	0.00
22.35	10.84	7.12	3.23	24.95	11.04	7.30	0.00
22.40	10.84	7.12	3.21	25.00	11.04	7.30	0.00
22.45	10.85	7.13	3.20	25.05	11.04	7.30	0.00
22.50	10.86	7.14	3.19	25.10	11.04	7.30	0.00
22.55	10.86	7.14	3.17	25.15	11.04	7.30	0.00
22.60	10.87	7.15	3.17	25.20	11.04	7.30	0.00
22.65	10.88	7.15	3.16	25.25	11.04	7.30	0.00
22.70	10.88	7.16	3.15	25.30	11.04	7.30	0.00
22.75	10.89	7.17	3.13	25.35	11.04	7.30	0.00
22.80	10.89	7.17	3.11	25.40	11.04	7.30	0.00
22.85	10.90	7.18	3.09	25.45	11.04	7.30	0.00
22.90	10.91	7.18	3.08	25.50	11.04	7.30	0.00
22.95	10.91	7.19	3.07	25.55	11.04	7.30	0.00
23.00	10.92	7.19	3.06	25.60	11.04	7.30	0.00
23.05	10.93	7.20	3.06	25.65	11.04	7.30	0.00
23.10	10.93	7.21	3.04	25.70	11.04	7.30	0.00
23.15	10.94	7.21	3.02	25.75	11.04	7.30	0.00
23.20	10.94	7.22	3.00	25.80	11.04	7.30	0.00
23.25	10.95	7.22	2.99	25.85	11.04	7.30	0.00
23.30	10.96	7.23	2.97	25.90	11.04	7.30	0.00
23.35	10.96	7.23	2.96	25.95	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.30	0.00	28.60	11.04	7.30	0.00
26.05	11.04	7.30	0.00	28.65	11.04	7.30	0.00
26.10	11.04	7.30	0.00	28.70	11.04	7.30	0.00
26.15	11.04	7.30	0.00	28.75	11.04	7.30	0.00
26.20	11.04	7.30	0.00	28.80	11.04	7.30	0.00
26.25	11.04	7.30	0.00	28.85	11.04	7.30	0.00
26.30	11.04	7.30	0.00	28.90	11.04	7.30	0.00
26.35	11.04	7.30	0.00	28.95	11.04	7.30	0.00
26.40	11.04	7.30	0.00	29.00	11.04	7.30	0.00
26.45	11.04	7.30	0.00	29.05	11.04	7.30	0.00
26.50	11.04	7.30	0.00	29.10	11.04	7.30	0.00
26.55	11.04	7.30	0.00	29.15	11.04	7.30	0.00
26.60	11.04	7.30	0.00	29.20	11.04	7.30	0.00
26.65	11.04	7.30	0.00	29.25	11.04	7.30	0.00
26.70	11.04	7.30	0.00	29.30	11.04	7.30	0.00
26.75	11.04	7.30	0.00	29.35	11.04	7.30	0.00
26.80	11.04	7.30	0.00	29.40	11.04	7.30	0.00
26.85	11.04	7.30	0.00	29.45	11.04	7.30	0.00
26.90	11.04	7.30	0.00	29.50	11.04	7.30	0.00
26.95	11.04	7.30	0.00	29.55	11.04	7.30	0.00
27.00	11.04	7.30	0.00	29.60	11.04	7.30	0.00
27.05	11.04	7.30	0.00	29.65	11.04	7.30	0.00
27.10	11.04	7.30	0.00	29.70	11.04	7.30	0.00
27.15	11.04	7.30	0.00	29.75	11.04	7.30	0.00
27.20	11.04	7.30	0.00	29.80	11.04	7.30	0.00
27.25	11.04	7.30	0.00	29.85	11.04	7.30	0.00
27.30	11.04	7.30	0.00	29.90	11.04	7.30	0.00
27.35	11.04	7.30	0.00	29.95	11.04	7.30	0.00
27.40	11.04	7.30	0.00	30.00	11.04	7.30	0.00
27.45	11.04	7.30	0.00	30.05	11.04	7.30	0.00
27.50	11.04	7.30	0.00	30.10	11.04	7.30	0.00
27.55	11.04	7.30	0.00	30.15	11.04	7.30	0.00
27.60	11.04	7.30	0.00	30.20	11.04	7.30	0.00
27.65	11.04	7.30	0.00	30.25	11.04	7.30	0.00
27.70	11.04	7.30	0.00	30.30	11.04	7.30	0.00
27.75	11.04	7.30	0.00	30.35	11.04	7.30	0.00
27.80	11.04	7.30	0.00	30.40	11.04	7.30	0.00
27.85	11.04	7.30	0.00	30.45	11.04	7.30	0.00
27.90	11.04	7.30	0.00	30.50	11.04	7.30	0.00
27.95	11.04	7.30	0.00	30.55	11.04	7.30	0.00
28.00	11.04	7.30	0.00	30.60	11.04	7.30	0.00
28.05	11.04	7.30	0.00	30.65	11.04	7.30	0.00
28.10	11.04	7.30	0.00	30.70	11.04	7.30	0.00
28.15	11.04	7.30	0.00	30.75	11.04	7.30	0.00
28.20	11.04	7.30	0.00	30.80	11.04	7.30	0.00
28.25	11.04	7.30	0.00	30.85	11.04	7.30	0.00
28.30	11.04	7.30	0.00	30.90	11.04	7.30	0.00
28.35	11.04	7.30	0.00	30.95	11.04	7.30	0.00
28.40	11.04	7.30	0.00	31.00	11.04	7.30	0.00
28.45	11.04	7.30	0.00	31.05	11.04	7.30	0.00
28.50	11.04	7.30	0.00	31.10	11.04	7.30	0.00
28.55	11.04	7.30	0.00	31.15	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.30	0.00	33.80	11.04	7.30	0.00
31.25	11.04	7.30	0.00	33.85	11.04	7.30	0.00
31.30	11.04	7.30	0.00	33.90	11.04	7.30	0.00
31.35	11.04	7.30	0.00	33.95	11.04	7.30	0.00
31.40	11.04	7.30	0.00	34.00	11.04	7.30	0.00
31.45	11.04	7.30	0.00	34.05	11.04	7.30	0.00
31.50	11.04	7.30	0.00	34.10	11.04	7.30	0.00
31.55	11.04	7.30	0.00	34.15	11.04	7.30	0.00
31.60	11.04	7.30	0.00	34.20	11.04	7.30	0.00
31.65	11.04	7.30	0.00	34.25	11.04	7.30	0.00
31.70	11.04	7.30	0.00	34.30	11.04	7.30	0.00
31.75	11.04	7.30	0.00	34.35	11.04	7.30	0.00
31.80	11.04	7.30	0.00	34.40	11.04	7.30	0.00
31.85	11.04	7.30	0.00	34.45	11.04	7.30	0.00
31.90	11.04	7.30	0.00	34.50	11.04	7.30	0.00
31.95	11.04	7.30	0.00	34.55	11.04	7.30	0.00
32.00	11.04	7.30	0.00	34.60	11.04	7.30	0.00
32.05	11.04	7.30	0.00	34.65	11.04	7.30	0.00
32.10	11.04	7.30	0.00	34.70	11.04	7.30	0.00
32.15	11.04	7.30	0.00	34.75	11.04	7.30	0.00
32.20	11.04	7.30	0.00	34.80	11.04	7.30	0.00
32.25	11.04	7.30	0.00	34.85	11.04	7.30	0.00
32.30	11.04	7.30	0.00	34.90	11.04	7.30	0.00
32.35	11.04	7.30	0.00	34.95	11.04	7.30	0.00
32.40	11.04	7.30	0.00	35.00	11.04	7.30	0.00
32.45	11.04	7.30	0.00	35.05	11.04	7.30	0.00
32.50	11.04	7.30	0.00	35.10	11.04	7.30	0.00
32.55	11.04	7.30	0.00	35.15	11.04	7.30	0.00
32.60	11.04	7.30	0.00	35.20	11.04	7.30	0.00
32.65	11.04	7.30	0.00	35.25	11.04	7.30	0.00
32.70	11.04	7.30	0.00	35.30	11.04	7.30	0.00
32.75	11.04	7.30	0.00	35.35	11.04	7.30	0.00
32.80	11.04	7.30	0.00	35.40	11.04	7.30	0.00
32.85	11.04	7.30	0.00	35.45	11.04	7.30	0.00
32.90	11.04	7.30	0.00	35.50	11.04	7.30	0.00
32.95	11.04	7.30	0.00	35.55	11.04	7.30	0.00
33.00	11.04	7.30	0.00	35.60	11.04	7.30	0.00
33.05	11.04	7.30	0.00	35.65	11.04	7.30	0.00
33.10	11.04	7.30	0.00	35.70	11.04	7.30	0.00
33.15	11.04	7.30	0.00	35.75	11.04	7.30	0.00
33.20	11.04	7.30	0.00	35.80	11.04	7.30	0.00
33.25	11.04	7.30	0.00	35.85	11.04	7.30	0.00
33.30	11.04	7.30	0.00	35.90	11.04	7.30	0.00
33.35	11.04	7.30	0.00	35.95	11.04	7.30	0.00
33.40	11.04	7.30	0.00	36.00	11.04	7.30	0.00
33.45	11.04	7.30	0.00	36.05	11.04	7.30	0.00
33.50	11.04	7.30	0.00	36.10	11.04	7.30	0.00
33.55	11.04	7.30	0.00	36.15	11.04	7.30	0.00
33.60	11.04	7.30	0.00	36.20	11.04	7.30	0.00
33.65	11.04	7.30	0.00	36.25	11.04	7.30	0.00
33.70	11.04	7.30	0.00	36.30	11.04	7.30	0.00
33.75	11.04	7.30	0.00	36.35	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.30	0.00	39.00	11.04	7.30	0.00
36.45	11.04	7.30	0.00	39.05	11.04	7.30	0.00
36.50	11.04	7.30	0.00	39.10	11.04	7.30	0.00
36.55	11.04	7.30	0.00	39.15	11.04	7.30	0.00
36.60	11.04	7.30	0.00	39.20	11.04	7.30	0.00
36.65	11.04	7.30	0.00	39.25	11.04	7.30	0.00
36.70	11.04	7.30	0.00	39.30	11.04	7.30	0.00
36.75	11.04	7.30	0.00	39.35	11.04	7.30	0.00
36.80	11.04	7.30	0.00	39.40	11.04	7.30	0.00
36.85	11.04	7.30	0.00	39.45	11.04	7.30	0.00
36.90	11.04	7.30	0.00	39.50	11.04	7.30	0.00
36.95	11.04	7.30	0.00	39.55	11.04	7.30	0.00
37.00	11.04	7.30	0.00	39.60	11.04	7.30	0.00
37.05	11.04	7.30	0.00	39.65	11.04	7.30	0.00
37.10	11.04	7.30	0.00	39.70	11.04	7.30	0.00
37.15	11.04	7.30	0.00	39.75	11.04	7.30	0.00
37.20	11.04	7.30	0.00	39.80	11.04	7.30	0.00
37.25	11.04	7.30	0.00	39.85	11.04	7.30	0.00
37.30	11.04	7.30	0.00	39.90	11.04	7.30	0.00
37.35	11.04	7.30	0.00	39.95	11.04	7.30	0.00
37.40	11.04	7.30	0.00	40.00	11.04	7.30	0.00
37.45	11.04	7.30	0.00				
37.50	11.04	7.30	0.00				
37.55	11.04	7.30	0.00				
37.60	11.04	7.30	0.00				
37.65	11.04	7.30	0.00				
37.70	11.04	7.30	0.00				
37.75	11.04	7.30	0.00				
37.80	11.04	7.30	0.00				
37.85	11.04	7.30	0.00				
37.90	11.04	7.30	0.00				
37.95	11.04	7.30	0.00				
38.00	11.04	7.30	0.00				
38.05	11.04	7.30	0.00				
38.10	11.04	7.30	0.00				
38.15	11.04	7.30	0.00				
38.20	11.04	7.30	0.00				
38.25	11.04	7.30	0.00				
38.30	11.04	7.30	0.00				
38.35	11.04	7.30	0.00				
38.40	11.04	7.30	0.00				
38.45	11.04	7.30	0.00				
38.50	11.04	7.30	0.00				
38.55	11.04	7.30	0.00				
38.60	11.04	7.30	0.00				
38.65	11.04	7.30	0.00				
38.70	11.04	7.30	0.00				
38.75	11.04	7.30	0.00				
38.80	11.04	7.30	0.00				
38.85	11.04	7.30	0.00				
38.90	11.04	7.30	0.00				
38.95	11.04	7.30	0.00				

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

Runoff = 244.09 cfs @ 12.16 hrs, Volume= 17.821 af, Depth= 7.17"
Routed to Link XDA-6O : XDA-6O

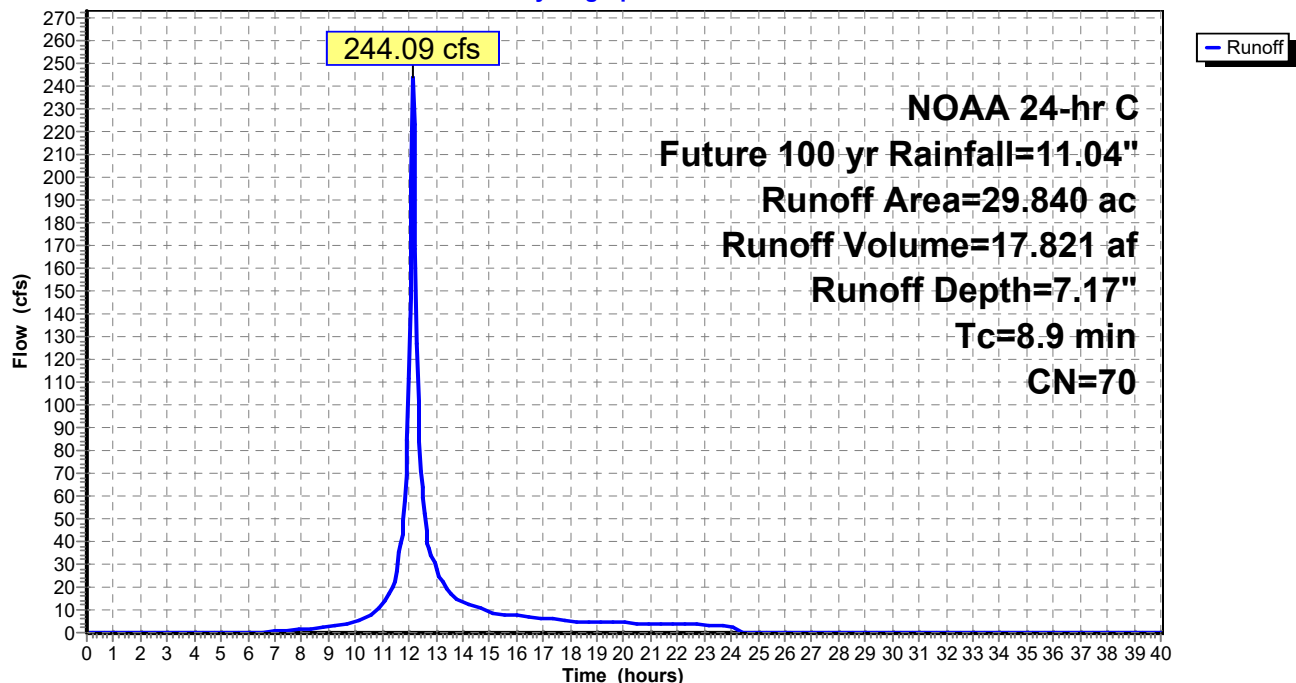
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment X-6PO: XDA-6 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.04	1.18
5.25	0.74	0.00	0.00	7.85	1.28	0.04	1.23
5.30	0.75	0.00	0.00	7.90	1.30	0.04	1.27
5.35	0.76	0.00	0.00	7.95	1.31	0.04	1.32
5.40	0.77	0.00	0.00	8.00	1.32	0.05	1.37
5.45	0.78	0.00	0.00	8.05	1.34	0.05	1.42
5.50	0.79	0.00	0.00	8.10	1.35	0.05	1.47
5.55	0.80	0.00	0.00	8.15	1.36	0.05	1.51
5.60	0.80	0.00	0.00	8.20	1.38	0.06	1.56
5.65	0.81	0.00	0.00	8.25	1.39	0.06	1.62
5.70	0.82	0.00	0.00	8.30	1.40	0.06	1.67
5.75	0.83	0.00	0.00	8.35	1.42	0.07	1.72
5.80	0.84	0.00	0.00	8.40	1.43	0.07	1.77
5.85	0.85	0.00	0.00	8.45	1.45	0.07	1.82
5.90	0.86	0.00	0.00	8.50	1.46	0.07	1.87
5.95	0.87	0.00	0.00	8.55	1.48	0.08	1.93
6.00	0.87	0.00	0.00	8.60	1.49	0.08	1.98
6.05	0.88	0.00	0.01	8.65	1.51	0.09	2.04
6.10	0.89	0.00	0.03	8.70	1.52	0.09	2.09
6.15	0.90	0.00	0.05	8.75	1.54	0.09	2.15
6.20	0.91	0.00	0.08	8.80	1.55	0.10	2.21
6.25	0.92	0.00	0.10	8.85	1.57	0.10	2.26
6.30	0.93	0.00	0.12	8.90	1.58	0.10	2.32
6.35	0.94	0.00	0.15	8.95	1.60	0.11	2.38
6.40	0.95	0.00	0.18	9.00	1.61	0.11	2.44
6.45	0.96	0.00	0.20	9.05	1.63	0.12	2.50
6.50	0.97	0.00	0.23	9.10	1.64	0.12	2.59
6.55	0.98	0.00	0.26	9.15	1.66	0.13	2.69
6.60	0.99	0.00	0.29	9.20	1.68	0.13	2.80
6.65	1.00	0.00	0.32	9.25	1.70	0.14	2.91
6.70	1.01	0.01	0.35	9.30	1.72	0.14	3.04
6.75	1.02	0.01	0.38	9.35	1.73	0.15	3.16
6.80	1.03	0.01	0.41	9.40	1.75	0.15	3.29
6.85	1.04	0.01	0.44	9.45	1.77	0.16	3.42
6.90	1.05	0.01	0.47	9.50	1.79	0.17	3.55
6.95	1.07	0.01	0.51	9.55	1.81	0.17	3.68
7.00	1.08	0.01	0.54	9.60	1.83	0.18	3.83
7.05	1.09	0.01	0.58	9.65	1.85	0.19	3.97
7.10	1.10	0.01	0.61	9.70	1.88	0.20	4.12
7.15	1.11	0.01	0.65	9.75	1.90	0.20	4.26
7.20	1.12	0.02	0.69	9.80	1.92	0.21	4.41
7.25	1.13	0.02	0.73	9.85	1.94	0.22	4.57
7.30	1.15	0.02	0.76	9.90	1.97	0.23	4.73
7.35	1.16	0.02	0.80	9.95	1.99	0.24	4.89
7.40	1.17	0.02	0.84	10.00	2.01	0.25	5.06
7.45	1.18	0.02	0.88	10.05	2.04	0.25	5.22
7.50	1.19	0.02	0.92	10.10	2.06	0.26	5.39
7.55	1.21	0.03	0.97	10.15	2.09	0.27	5.57
7.60	1.22	0.03	1.01	10.20	2.11	0.28	5.75
7.65	1.23	0.03	1.05	10.25	2.14	0.30	5.93
7.70	1.24	0.03	1.09	10.30	2.17	0.31	6.11
7.75	1.26	0.03	1.14	10.35	2.19	0.32	6.29

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.33	6.48	13.00	8.39	4.80	28.56
10.45	2.25	0.34	6.67	13.05	8.43	4.84	27.07
10.50	2.28	0.35	6.87	13.10	8.48	4.88	25.55
10.55	2.31	0.37	7.10	13.15	8.52	4.91	24.12
10.60	2.34	0.38	7.47	13.20	8.56	4.95	22.96
10.65	2.37	0.40	7.92	13.25	8.60	4.98	22.00
10.70	2.41	0.41	8.42	13.30	8.63	5.01	21.12
10.75	2.44	0.43	8.95	13.35	8.67	5.04	20.29
10.80	2.48	0.45	9.51	13.40	8.70	5.07	19.45
10.85	2.52	0.47	10.09	13.45	8.73	5.10	18.63
10.90	2.56	0.49	10.69	13.50	8.76	5.13	17.81
10.95	2.61	0.51	11.29	13.55	8.79	5.15	17.00
11.00	2.65	0.53	11.93	13.60	8.82	5.18	16.17
11.05	2.70	0.55	12.61	13.65	8.85	5.20	15.42
11.10	2.75	0.58	13.50	13.70	8.87	5.22	14.91
11.15	2.80	0.61	14.51	13.75	8.90	5.25	14.56
11.20	2.86	0.64	15.63	13.80	8.93	5.27	14.28
11.25	2.92	0.67	16.78	13.85	8.95	5.29	14.05
11.30	2.98	0.70	18.00	13.90	8.98	5.32	13.83
11.35	3.05	0.74	19.23	13.95	9.00	5.34	13.63
11.40	3.12	0.78	20.54	14.00	9.03	5.36	13.41
11.45	3.19	0.82	21.83	14.05	9.05	5.38	13.20
11.50	3.26	0.86	23.09	14.10	9.07	5.40	12.97
11.55	3.37	0.93	24.92	14.15	9.10	5.42	12.76
11.60	3.49	1.00	29.45	14.20	9.12	5.44	12.55
11.65	3.60	1.07	35.10	14.25	9.14	5.46	12.35
11.70	3.72	1.15	39.30	14.30	9.16	5.48	12.13
11.75	3.88	1.25	42.96	14.35	9.19	5.50	11.91
11.80	4.04	1.36	49.29	14.40	9.21	5.52	11.69
11.85	4.27	1.51	57.85	14.45	9.23	5.54	11.48
11.90	4.49	1.67	69.48	14.50	9.25	5.55	11.27
11.95	4.88	1.94	84.97	14.55	9.27	5.57	11.06
12.00	5.26	2.23	111.47	14.60	9.29	5.59	10.84
12.05	5.91	2.73	147.30	14.65	9.31	5.61	10.62
12.10	6.55	3.25	198.62	14.70	9.32	5.62	10.40
12.15	6.77	3.43	242.91	14.75	9.34	5.64	10.18
12.20	7.00	3.62	223.18	14.80	9.36	5.65	9.97
12.25	7.16	3.75	168.37	14.85	9.38	5.67	9.76
12.30	7.32	3.89	127.33	14.90	9.40	5.68	9.54
12.35	7.44	3.98	101.79	14.95	9.41	5.70	9.32
12.40	7.55	4.08	83.92	15.00	9.43	5.71	9.09
12.45	7.67	4.18	71.16	15.05	9.44	5.73	8.88
12.50	7.78	4.27	63.84	15.10	9.46	5.74	8.66
12.55	7.85	4.34	59.10	15.15	9.47	5.75	8.47
12.60	7.92	4.40	52.06	15.20	9.49	5.77	8.33
12.65	7.99	4.46	44.42	15.25	9.50	5.78	8.23
12.70	8.06	4.51	39.60	15.30	9.52	5.79	8.16
12.75	8.12	4.57	36.89	15.35	9.53	5.81	8.09
12.80	8.18	4.62	34.88	15.40	9.55	5.82	8.04
12.85	8.24	4.67	33.21	15.45	9.56	5.83	7.99
12.90	8.29	4.72	31.61	15.50	9.58	5.85	7.93
12.95	8.34	4.76	30.10	15.55	9.59	5.86	7.87

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.87	7.81	18.20	10.20	6.41	4.83
15.65	9.62	5.89	7.76	18.25	10.21	6.41	4.81
15.70	9.64	5.90	7.70	18.30	10.22	6.42	4.79
15.75	9.65	5.91	7.64	18.35	10.23	6.43	4.77
15.80	9.66	5.92	7.58	18.40	10.24	6.44	4.76
15.85	9.68	5.94	7.52	18.45	10.24	6.44	4.74
15.90	9.69	5.95	7.47	18.50	10.25	6.45	4.73
15.95	9.70	5.96	7.42	18.55	10.26	6.46	4.71
16.00	9.72	5.97	7.36	18.60	10.27	6.47	4.70
16.05	9.73	5.98	7.30	18.65	10.28	6.48	4.68
16.10	9.74	6.00	7.24	18.70	10.29	6.48	4.67
16.15	9.76	6.01	7.19	18.75	10.30	6.49	4.66
16.20	9.77	6.02	7.14	18.80	10.30	6.50	4.64
16.25	9.78	6.03	7.08	18.85	10.31	6.51	4.63
16.30	9.80	6.04	7.02	18.90	10.32	6.51	4.61
16.35	9.81	6.05	6.95	18.95	10.33	6.52	4.60
16.40	9.82	6.06	6.89	19.00	10.34	6.53	4.58
16.45	9.83	6.08	6.84	19.05	10.35	6.54	4.57
16.50	9.85	6.09	6.78	19.10	10.35	6.54	4.56
16.55	9.86	6.10	6.72	19.15	10.36	6.55	4.54
16.60	9.87	6.11	6.66	19.20	10.37	6.56	4.53
16.65	9.88	6.12	6.61	19.25	10.38	6.57	4.51
16.70	9.89	6.13	6.56	19.30	10.39	6.57	4.50
16.75	9.91	6.14	6.50	19.35	10.40	6.58	4.48
16.80	9.92	6.15	6.44	19.40	10.40	6.59	4.47
16.85	9.93	6.16	6.37	19.45	10.41	6.60	4.46
16.90	9.94	6.17	6.31	19.50	10.42	6.60	4.44
16.95	9.95	6.18	6.26	19.55	10.43	6.61	4.43
17.00	9.96	6.19	6.21	19.60	10.44	6.62	4.41
17.05	9.97	6.20	6.15	19.65	10.44	6.63	4.40
17.10	9.99	6.21	6.10	19.70	10.45	6.63	4.38
17.15	10.00	6.22	6.04	19.75	10.46	6.64	4.37
17.20	10.01	6.23	5.98	19.80	10.47	6.65	4.36
17.25	10.02	6.24	5.92	19.85	10.48	6.65	4.36
17.30	10.03	6.25	5.85	19.90	10.48	6.66	4.34
17.35	10.04	6.26	5.79	19.95	10.49	6.67	4.32
17.40	10.05	6.27	5.73	20.00	10.50	6.68	4.30
17.45	10.06	6.28	5.68	20.05	10.51	6.68	4.28
17.50	10.07	6.29	5.62	20.10	10.52	6.69	4.27
17.55	10.08	6.30	5.57	20.15	10.52	6.70	4.25
17.60	10.09	6.31	5.51	20.20	10.53	6.70	4.24
17.65	10.10	6.31	5.45	20.25	10.54	6.71	4.22
17.70	10.11	6.32	5.39	20.30	10.55	6.72	4.21
17.75	10.12	6.33	5.33	20.35	10.55	6.72	4.19
17.80	10.13	6.34	5.27	20.40	10.56	6.73	4.18
17.85	10.14	6.35	5.22	20.45	10.57	6.74	4.16
17.90	10.15	6.36	5.16	20.50	10.58	6.75	4.15
17.95	10.16	6.37	5.10	20.55	10.58	6.75	4.14
18.00	10.17	6.37	5.04	20.60	10.59	6.76	4.13
18.05	10.17	6.38	4.98	20.65	10.60	6.77	4.12
18.10	10.18	6.39	4.92	20.70	10.61	6.77	4.11
18.15	10.19	6.40	4.87	20.75	10.61	6.78	4.09

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.79	4.07	23.40	10.97	7.10	3.30
20.85	10.63	6.79	4.05	23.45	10.97	7.11	3.30
20.90	10.64	6.80	4.03	23.50	10.98	7.11	3.28
20.95	10.64	6.81	4.02	23.55	10.99	7.12	3.26
21.00	10.65	6.81	4.00	23.60	10.99	7.12	3.24
21.05	10.66	6.82	3.99	23.65	11.00	7.13	3.22
21.10	10.66	6.83	3.97	23.70	11.00	7.13	3.22
21.15	10.67	6.83	3.96	23.75	11.01	7.14	3.21
21.20	10.68	6.84	3.94	23.80	11.01	7.14	3.19
21.25	10.69	6.84	3.93	23.85	11.02	7.15	3.17
21.30	10.69	6.85	3.92	23.90	11.03	7.15	3.15
21.35	10.70	6.86	3.92	23.95	11.03	7.16	3.17
21.40	10.71	6.86	3.90	24.00	11.04	7.17	3.36
21.45	10.71	6.87	3.88	24.05	11.04	7.17	3.41
21.50	10.72	6.88	3.86	24.10	11.04	7.17	2.55
21.55	10.73	6.88	3.84	24.15	11.04	7.17	1.31
21.60	10.74	6.89	3.83	24.20	11.04	7.17	0.57
21.65	10.74	6.90	3.81	24.25	11.04	7.17	0.25
21.70	10.75	6.90	3.80	24.30	11.04	7.17	0.11
21.75	10.76	6.91	3.79	24.35	11.04	7.17	0.04
21.80	10.76	6.91	3.78	24.40	11.04	7.17	0.02
21.85	10.77	6.92	3.77	24.45	11.04	7.17	0.00
21.90	10.78	6.93	3.76	24.50	11.04	7.17	0.00
21.95	10.78	6.93	3.73	24.55	11.04	7.17	0.00
22.00	10.79	6.94	3.71	24.60	11.04	7.17	0.00
22.05	10.80	6.95	3.70	24.65	11.04	7.17	0.00
22.10	10.80	6.95	3.68	24.70	11.04	7.17	0.00
22.15	10.81	6.96	3.67	24.75	11.04	7.17	0.00
22.20	10.82	6.96	3.66	24.80	11.04	7.17	0.00
22.25	10.82	6.97	3.65	24.85	11.04	7.17	0.00
22.30	10.83	6.98	3.64	24.90	11.04	7.17	0.00
22.35	10.84	6.98	3.61	24.95	11.04	7.17	0.00
22.40	10.84	6.99	3.60	25.00	11.04	7.17	0.00
22.45	10.85	6.99	3.58	25.05	11.04	7.17	0.00
22.50	10.86	7.00	3.56	25.10	11.04	7.17	0.00
22.55	10.86	7.01	3.55	25.15	11.04	7.17	0.00
22.60	10.87	7.01	3.54	25.20	11.04	7.17	0.00
22.65	10.88	7.02	3.54	25.25	11.04	7.17	0.00
22.70	10.88	7.02	3.52	25.30	11.04	7.17	0.00
22.75	10.89	7.03	3.50	25.35	11.04	7.17	0.00
22.80	10.89	7.03	3.48	25.40	11.04	7.17	0.00
22.85	10.90	7.04	3.46	25.45	11.04	7.17	0.00
22.90	10.91	7.05	3.44	25.50	11.04	7.17	0.00
22.95	10.91	7.05	3.43	25.55	11.04	7.17	0.00
23.00	10.92	7.06	3.42	25.60	11.04	7.17	0.00
23.05	10.93	7.06	3.42	25.65	11.04	7.17	0.00
23.10	10.93	7.07	3.40	25.70	11.04	7.17	0.00
23.15	10.94	7.07	3.38	25.75	11.04	7.17	0.00
23.20	10.94	7.08	3.36	25.80	11.04	7.17	0.00
23.25	10.95	7.08	3.34	25.85	11.04	7.17	0.00
23.30	10.96	7.09	3.33	25.90	11.04	7.17	0.00
23.35	10.96	7.10	3.31	25.95	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.17	0.00	28.60	11.04	7.17	0.00
26.05	11.04	7.17	0.00	28.65	11.04	7.17	0.00
26.10	11.04	7.17	0.00	28.70	11.04	7.17	0.00
26.15	11.04	7.17	0.00	28.75	11.04	7.17	0.00
26.20	11.04	7.17	0.00	28.80	11.04	7.17	0.00
26.25	11.04	7.17	0.00	28.85	11.04	7.17	0.00
26.30	11.04	7.17	0.00	28.90	11.04	7.17	0.00
26.35	11.04	7.17	0.00	28.95	11.04	7.17	0.00
26.40	11.04	7.17	0.00	29.00	11.04	7.17	0.00
26.45	11.04	7.17	0.00	29.05	11.04	7.17	0.00
26.50	11.04	7.17	0.00	29.10	11.04	7.17	0.00
26.55	11.04	7.17	0.00	29.15	11.04	7.17	0.00
26.60	11.04	7.17	0.00	29.20	11.04	7.17	0.00
26.65	11.04	7.17	0.00	29.25	11.04	7.17	0.00
26.70	11.04	7.17	0.00	29.30	11.04	7.17	0.00
26.75	11.04	7.17	0.00	29.35	11.04	7.17	0.00
26.80	11.04	7.17	0.00	29.40	11.04	7.17	0.00
26.85	11.04	7.17	0.00	29.45	11.04	7.17	0.00
26.90	11.04	7.17	0.00	29.50	11.04	7.17	0.00
26.95	11.04	7.17	0.00	29.55	11.04	7.17	0.00
27.00	11.04	7.17	0.00	29.60	11.04	7.17	0.00
27.05	11.04	7.17	0.00	29.65	11.04	7.17	0.00
27.10	11.04	7.17	0.00	29.70	11.04	7.17	0.00
27.15	11.04	7.17	0.00	29.75	11.04	7.17	0.00
27.20	11.04	7.17	0.00	29.80	11.04	7.17	0.00
27.25	11.04	7.17	0.00	29.85	11.04	7.17	0.00
27.30	11.04	7.17	0.00	29.90	11.04	7.17	0.00
27.35	11.04	7.17	0.00	29.95	11.04	7.17	0.00
27.40	11.04	7.17	0.00	30.00	11.04	7.17	0.00
27.45	11.04	7.17	0.00	30.05	11.04	7.17	0.00
27.50	11.04	7.17	0.00	30.10	11.04	7.17	0.00
27.55	11.04	7.17	0.00	30.15	11.04	7.17	0.00
27.60	11.04	7.17	0.00	30.20	11.04	7.17	0.00
27.65	11.04	7.17	0.00	30.25	11.04	7.17	0.00
27.70	11.04	7.17	0.00	30.30	11.04	7.17	0.00
27.75	11.04	7.17	0.00	30.35	11.04	7.17	0.00
27.80	11.04	7.17	0.00	30.40	11.04	7.17	0.00
27.85	11.04	7.17	0.00	30.45	11.04	7.17	0.00
27.90	11.04	7.17	0.00	30.50	11.04	7.17	0.00
27.95	11.04	7.17	0.00	30.55	11.04	7.17	0.00
28.00	11.04	7.17	0.00	30.60	11.04	7.17	0.00
28.05	11.04	7.17	0.00	30.65	11.04	7.17	0.00
28.10	11.04	7.17	0.00	30.70	11.04	7.17	0.00
28.15	11.04	7.17	0.00	30.75	11.04	7.17	0.00
28.20	11.04	7.17	0.00	30.80	11.04	7.17	0.00
28.25	11.04	7.17	0.00	30.85	11.04	7.17	0.00
28.30	11.04	7.17	0.00	30.90	11.04	7.17	0.00
28.35	11.04	7.17	0.00	30.95	11.04	7.17	0.00
28.40	11.04	7.17	0.00	31.00	11.04	7.17	0.00
28.45	11.04	7.17	0.00	31.05	11.04	7.17	0.00
28.50	11.04	7.17	0.00	31.10	11.04	7.17	0.00
28.55	11.04	7.17	0.00	31.15	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.17	0.00	33.80	11.04	7.17	0.00
31.25	11.04	7.17	0.00	33.85	11.04	7.17	0.00
31.30	11.04	7.17	0.00	33.90	11.04	7.17	0.00
31.35	11.04	7.17	0.00	33.95	11.04	7.17	0.00
31.40	11.04	7.17	0.00	34.00	11.04	7.17	0.00
31.45	11.04	7.17	0.00	34.05	11.04	7.17	0.00
31.50	11.04	7.17	0.00	34.10	11.04	7.17	0.00
31.55	11.04	7.17	0.00	34.15	11.04	7.17	0.00
31.60	11.04	7.17	0.00	34.20	11.04	7.17	0.00
31.65	11.04	7.17	0.00	34.25	11.04	7.17	0.00
31.70	11.04	7.17	0.00	34.30	11.04	7.17	0.00
31.75	11.04	7.17	0.00	34.35	11.04	7.17	0.00
31.80	11.04	7.17	0.00	34.40	11.04	7.17	0.00
31.85	11.04	7.17	0.00	34.45	11.04	7.17	0.00
31.90	11.04	7.17	0.00	34.50	11.04	7.17	0.00
31.95	11.04	7.17	0.00	34.55	11.04	7.17	0.00
32.00	11.04	7.17	0.00	34.60	11.04	7.17	0.00
32.05	11.04	7.17	0.00	34.65	11.04	7.17	0.00
32.10	11.04	7.17	0.00	34.70	11.04	7.17	0.00
32.15	11.04	7.17	0.00	34.75	11.04	7.17	0.00
32.20	11.04	7.17	0.00	34.80	11.04	7.17	0.00
32.25	11.04	7.17	0.00	34.85	11.04	7.17	0.00
32.30	11.04	7.17	0.00	34.90	11.04	7.17	0.00
32.35	11.04	7.17	0.00	34.95	11.04	7.17	0.00
32.40	11.04	7.17	0.00	35.00	11.04	7.17	0.00
32.45	11.04	7.17	0.00	35.05	11.04	7.17	0.00
32.50	11.04	7.17	0.00	35.10	11.04	7.17	0.00
32.55	11.04	7.17	0.00	35.15	11.04	7.17	0.00
32.60	11.04	7.17	0.00	35.20	11.04	7.17	0.00
32.65	11.04	7.17	0.00	35.25	11.04	7.17	0.00
32.70	11.04	7.17	0.00	35.30	11.04	7.17	0.00
32.75	11.04	7.17	0.00	35.35	11.04	7.17	0.00
32.80	11.04	7.17	0.00	35.40	11.04	7.17	0.00
32.85	11.04	7.17	0.00	35.45	11.04	7.17	0.00
32.90	11.04	7.17	0.00	35.50	11.04	7.17	0.00
32.95	11.04	7.17	0.00	35.55	11.04	7.17	0.00
33.00	11.04	7.17	0.00	35.60	11.04	7.17	0.00
33.05	11.04	7.17	0.00	35.65	11.04	7.17	0.00
33.10	11.04	7.17	0.00	35.70	11.04	7.17	0.00
33.15	11.04	7.17	0.00	35.75	11.04	7.17	0.00
33.20	11.04	7.17	0.00	35.80	11.04	7.17	0.00
33.25	11.04	7.17	0.00	35.85	11.04	7.17	0.00
33.30	11.04	7.17	0.00	35.90	11.04	7.17	0.00
33.35	11.04	7.17	0.00	35.95	11.04	7.17	0.00
33.40	11.04	7.17	0.00	36.00	11.04	7.17	0.00
33.45	11.04	7.17	0.00	36.05	11.04	7.17	0.00
33.50	11.04	7.17	0.00	36.10	11.04	7.17	0.00
33.55	11.04	7.17	0.00	36.15	11.04	7.17	0.00
33.60	11.04	7.17	0.00	36.20	11.04	7.17	0.00
33.65	11.04	7.17	0.00	36.25	11.04	7.17	0.00
33.70	11.04	7.17	0.00	36.30	11.04	7.17	0.00
33.75	11.04	7.17	0.00	36.35	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.17	0.00	39.00	11.04	7.17	0.00
36.45	11.04	7.17	0.00	39.05	11.04	7.17	0.00
36.50	11.04	7.17	0.00	39.10	11.04	7.17	0.00
36.55	11.04	7.17	0.00	39.15	11.04	7.17	0.00
36.60	11.04	7.17	0.00	39.20	11.04	7.17	0.00
36.65	11.04	7.17	0.00	39.25	11.04	7.17	0.00
36.70	11.04	7.17	0.00	39.30	11.04	7.17	0.00
36.75	11.04	7.17	0.00	39.35	11.04	7.17	0.00
36.80	11.04	7.17	0.00	39.40	11.04	7.17	0.00
36.85	11.04	7.17	0.00	39.45	11.04	7.17	0.00
36.90	11.04	7.17	0.00	39.50	11.04	7.17	0.00
36.95	11.04	7.17	0.00	39.55	11.04	7.17	0.00
37.00	11.04	7.17	0.00	39.60	11.04	7.17	0.00
37.05	11.04	7.17	0.00	39.65	11.04	7.17	0.00
37.10	11.04	7.17	0.00	39.70	11.04	7.17	0.00
37.15	11.04	7.17	0.00	39.75	11.04	7.17	0.00
37.20	11.04	7.17	0.00	39.80	11.04	7.17	0.00
37.25	11.04	7.17	0.00	39.85	11.04	7.17	0.00
37.30	11.04	7.17	0.00	39.90	11.04	7.17	0.00
37.35	11.04	7.17	0.00	39.95	11.04	7.17	0.00
37.40	11.04	7.17	0.00	40.00	11.04	7.17	0.00
37.45	11.04	7.17	0.00				
37.50	11.04	7.17	0.00				
37.55	11.04	7.17	0.00				
37.60	11.04	7.17	0.00				
37.65	11.04	7.17	0.00				
37.70	11.04	7.17	0.00				
37.75	11.04	7.17	0.00				
37.80	11.04	7.17	0.00				
37.85	11.04	7.17	0.00				
37.90	11.04	7.17	0.00				
37.95	11.04	7.17	0.00				
38.00	11.04	7.17	0.00				
38.05	11.04	7.17	0.00				
38.10	11.04	7.17	0.00				
38.15	11.04	7.17	0.00				
38.20	11.04	7.17	0.00				
38.25	11.04	7.17	0.00				
38.30	11.04	7.17	0.00				
38.35	11.04	7.17	0.00				
38.40	11.04	7.17	0.00				
38.45	11.04	7.17	0.00				
38.50	11.04	7.17	0.00				
38.55	11.04	7.17	0.00				
38.60	11.04	7.17	0.00				
38.65	11.04	7.17	0.00				
38.70	11.04	7.17	0.00				
38.75	11.04	7.17	0.00				
38.80	11.04	7.17	0.00				
38.85	11.04	7.17	0.00				
38.90	11.04	7.17	0.00				
38.95	11.04	7.17	0.00				

Summary for Subcatchment X-6S: XDA-4 (pervious)

Runoff = 30.50 cfs @ 12.17 hrs, Volume= 2.278 af, Depth= 5.75"
Routed to Link XDA-4 : Existing Drainage Area #4

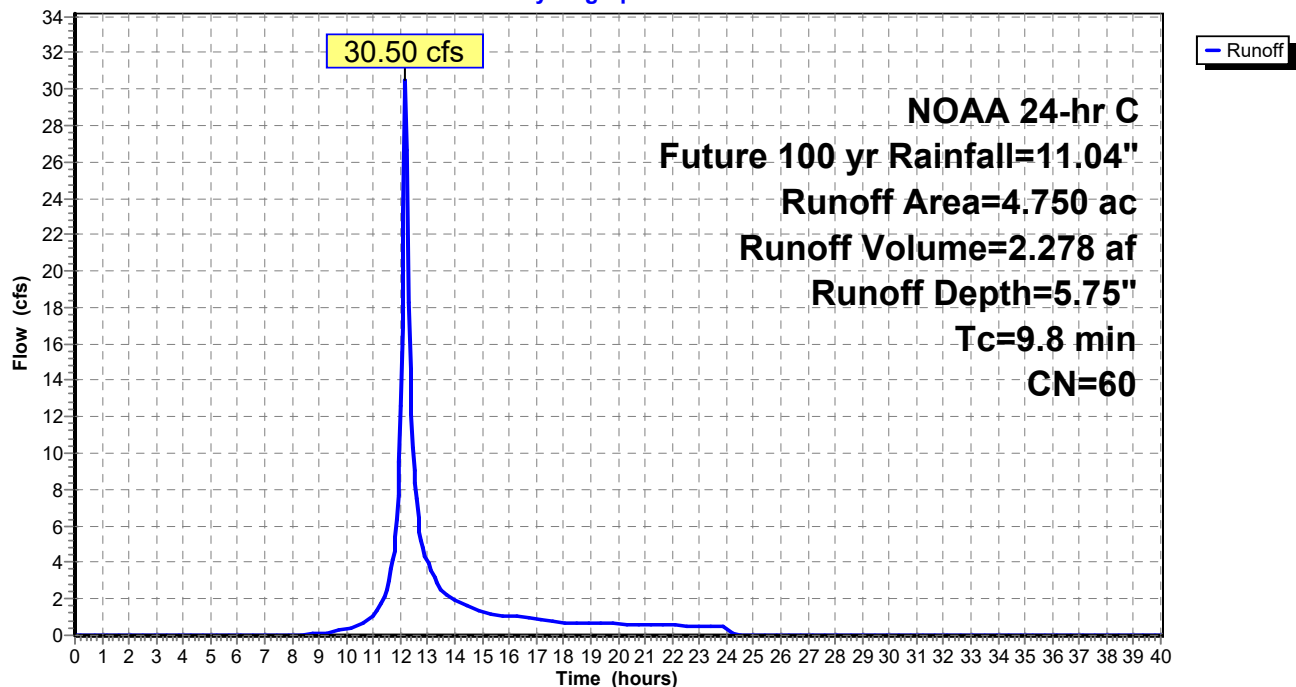
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8					Direct Entry,

Subcatchment X-6S: XDA-4 (pervious)

Hydrograph



Hydrograph for Subcatchment X-6S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.00	0.00
5.25	0.74	0.00	0.00	7.85	1.28	0.00	0.00
5.30	0.75	0.00	0.00	7.90	1.30	0.00	0.00
5.35	0.76	0.00	0.00	7.95	1.31	0.00	0.00
5.40	0.77	0.00	0.00	8.00	1.32	0.00	0.00
5.45	0.78	0.00	0.00	8.05	1.34	0.00	0.00
5.50	0.79	0.00	0.00	8.10	1.35	0.00	0.00
5.55	0.80	0.00	0.00	8.15	1.36	0.00	0.00
5.60	0.80	0.00	0.00	8.20	1.38	0.00	0.00
5.65	0.81	0.00	0.00	8.25	1.39	0.00	0.01
5.70	0.82	0.00	0.00	8.30	1.40	0.00	0.01
5.75	0.83	0.00	0.00	8.35	1.42	0.00	0.02
5.80	0.84	0.00	0.00	8.40	1.43	0.00	0.02
5.85	0.85	0.00	0.00	8.45	1.45	0.00	0.03
5.90	0.86	0.00	0.00	8.50	1.46	0.00	0.03
5.95	0.87	0.00	0.00	8.55	1.48	0.00	0.04
6.00	0.87	0.00	0.00	8.60	1.49	0.00	0.05
6.05	0.88	0.00	0.00	8.65	1.51	0.00	0.05
6.10	0.89	0.00	0.00	8.70	1.52	0.01	0.06
6.15	0.90	0.00	0.00	8.75	1.54	0.01	0.06
6.20	0.91	0.00	0.00	8.80	1.55	0.01	0.07
6.25	0.92	0.00	0.00	8.85	1.57	0.01	0.08
6.30	0.93	0.00	0.00	8.90	1.58	0.01	0.08
6.35	0.94	0.00	0.00	8.95	1.60	0.01	0.09
6.40	0.95	0.00	0.00	9.00	1.61	0.01	0.10
6.45	0.96	0.00	0.00	9.05	1.63	0.01	0.10
6.50	0.97	0.00	0.00	9.10	1.64	0.01	0.11
6.55	0.98	0.00	0.00	9.15	1.66	0.02	0.12
6.60	0.99	0.00	0.00	9.20	1.68	0.02	0.13
6.65	1.00	0.00	0.00	9.25	1.70	0.02	0.14
6.70	1.01	0.00	0.00	9.30	1.72	0.02	0.15
6.75	1.02	0.00	0.00	9.35	1.73	0.02	0.16
6.80	1.03	0.00	0.00	9.40	1.75	0.02	0.17
6.85	1.04	0.00	0.00	9.45	1.77	0.03	0.19
6.90	1.05	0.00	0.00	9.50	1.79	0.03	0.20
6.95	1.07	0.00	0.00	9.55	1.81	0.03	0.21
7.00	1.08	0.00	0.00	9.60	1.83	0.03	0.23
7.05	1.09	0.00	0.00	9.65	1.85	0.04	0.24
7.10	1.10	0.00	0.00	9.70	1.88	0.04	0.25
7.15	1.11	0.00	0.00	9.75	1.90	0.04	0.27
7.20	1.12	0.00	0.00	9.80	1.92	0.05	0.28
7.25	1.13	0.00	0.00	9.85	1.94	0.05	0.30
7.30	1.15	0.00	0.00	9.90	1.97	0.05	0.32
7.35	1.16	0.00	0.00	9.95	1.99	0.06	0.33
7.40	1.17	0.00	0.00	10.00	2.01	0.06	0.35
7.45	1.18	0.00	0.00	10.05	2.04	0.07	0.37
7.50	1.19	0.00	0.00	10.10	2.06	0.07	0.39
7.55	1.21	0.00	0.00	10.15	2.09	0.08	0.41
7.60	1.22	0.00	0.00	10.20	2.11	0.08	0.43
7.65	1.23	0.00	0.00	10.25	2.14	0.09	0.45
7.70	1.24	0.00	0.00	10.30	2.17	0.09	0.47
7.75	1.26	0.00	0.00	10.35	2.19	0.10	0.49

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.10	0.51	13.00	8.39	3.63	4.05
10.45	2.25	0.11	0.53	13.05	8.43	3.66	3.84
10.50	2.28	0.12	0.56	13.10	8.48	3.70	3.63
10.55	2.31	0.12	0.58	13.15	8.52	3.73	3.43
10.60	2.34	0.13	0.62	13.20	8.56	3.76	3.26
10.65	2.37	0.14	0.66	13.25	8.60	3.79	3.13
10.70	2.41	0.15	0.71	13.30	8.63	3.82	3.00
10.75	2.44	0.16	0.77	13.35	8.67	3.84	2.88
10.80	2.48	0.17	0.83	13.40	8.70	3.87	2.77
10.85	2.52	0.18	0.89	13.45	8.73	3.89	2.65
10.90	2.56	0.19	0.95	13.50	8.76	3.92	2.54
10.95	2.61	0.20	1.02	13.55	8.79	3.94	2.43
11.00	2.65	0.22	1.09	13.60	8.82	3.96	2.31
11.05	2.70	0.23	1.16	13.65	8.85	3.98	2.20
11.10	2.75	0.25	1.26	13.70	8.87	4.00	2.12
11.15	2.80	0.27	1.37	13.75	8.90	4.02	2.07
11.20	2.86	0.28	1.49	13.80	8.93	4.04	2.03
11.25	2.92	0.31	1.62	13.85	8.95	4.06	1.99
11.30	2.98	0.33	1.76	13.90	8.98	4.08	1.96
11.35	3.05	0.35	1.90	13.95	9.00	4.10	1.94
11.40	3.12	0.38	2.05	14.00	9.03	4.12	1.91
11.45	3.19	0.40	2.21	14.05	9.05	4.14	1.88
11.50	3.26	0.43	2.37	14.10	9.07	4.16	1.85
11.55	3.37	0.48	2.57	14.15	9.10	4.18	1.82
11.60	3.49	0.53	3.02	14.20	9.12	4.20	1.79
11.65	3.60	0.58	3.65	14.25	9.14	4.21	1.76
11.70	3.72	0.63	4.19	14.30	9.16	4.23	1.73
11.75	3.88	0.70	4.65	14.35	9.19	4.25	1.70
11.80	4.04	0.78	5.36	14.40	9.21	4.26	1.67
11.85	4.27	0.90	6.36	14.45	9.23	4.28	1.64
11.90	4.49	1.01	7.72	14.50	9.25	4.30	1.61
11.95	4.88	1.23	9.57	14.55	9.27	4.31	1.58
12.00	5.26	1.46	12.62	14.60	9.29	4.33	1.55
12.05	5.91	1.86	16.94	14.65	9.31	4.34	1.52
12.10	6.55	2.29	23.31	14.70	9.32	4.36	1.49
12.15	6.77	2.44	29.75	14.75	9.34	4.37	1.46
12.20	7.00	2.60	29.60	14.80	9.36	4.39	1.43
12.25	7.16	2.72	23.79	14.85	9.38	4.40	1.40
12.30	7.32	2.83	18.28	14.90	9.40	4.41	1.37
12.35	7.44	2.92	14.67	14.95	9.41	4.43	1.34
12.40	7.55	3.00	12.11	15.00	9.43	4.44	1.30
12.45	7.67	3.09	10.25	15.05	9.44	4.45	1.27
12.50	7.78	3.17	9.09	15.10	9.46	4.46	1.24
12.55	7.85	3.22	8.37	15.15	9.47	4.48	1.22
12.60	7.92	3.27	7.47	15.20	9.49	4.49	1.19
12.65	7.99	3.33	6.41	15.25	9.50	4.50	1.18
12.70	8.06	3.38	5.67	15.30	9.52	4.51	1.17
12.75	8.12	3.42	5.24	15.35	9.53	4.52	1.16
12.80	8.18	3.47	4.94	15.40	9.55	4.54	1.15
12.85	8.24	3.51	4.69	15.45	9.56	4.55	1.14
12.90	8.29	3.55	4.47	15.50	9.58	4.56	1.13
12.95	8.34	3.59	4.26	15.55	9.59	4.57	1.13

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	4.58	1.12	18.20	10.20	5.06	0.70
15.65	9.62	4.59	1.11	18.25	10.21	5.07	0.69
15.70	9.64	4.60	1.10	18.30	10.22	5.08	0.69
15.75	9.65	4.62	1.09	18.35	10.23	5.08	0.69
15.80	9.66	4.63	1.09	18.40	10.24	5.09	0.69
15.85	9.68	4.64	1.08	18.45	10.24	5.10	0.68
15.90	9.69	4.65	1.07	18.50	10.25	5.10	0.68
15.95	9.70	4.66	1.06	18.55	10.26	5.11	0.68
16.00	9.72	4.67	1.06	18.60	10.27	5.12	0.68
16.05	9.73	4.68	1.05	18.65	10.28	5.13	0.68
16.10	9.74	4.69	1.04	18.70	10.29	5.13	0.67
16.15	9.76	4.70	1.03	18.75	10.30	5.14	0.67
16.20	9.77	4.71	1.02	18.80	10.30	5.15	0.67
16.25	9.78	4.72	1.02	18.85	10.31	5.15	0.67
16.30	9.80	4.73	1.01	18.90	10.32	5.16	0.67
16.35	9.81	4.74	1.00	18.95	10.33	5.17	0.66
16.40	9.82	4.75	0.99	19.00	10.34	5.17	0.66
16.45	9.83	4.76	0.98	19.05	10.35	5.18	0.66
16.50	9.85	4.77	0.97	19.10	10.35	5.19	0.66
16.55	9.86	4.78	0.97	19.15	10.36	5.19	0.66
16.60	9.87	4.79	0.96	19.20	10.37	5.20	0.65
16.65	9.88	4.80	0.95	19.25	10.38	5.21	0.65
16.70	9.89	4.81	0.94	19.30	10.39	5.21	0.65
16.75	9.91	4.82	0.94	19.35	10.40	5.22	0.65
16.80	9.92	4.83	0.93	19.40	10.40	5.23	0.65
16.85	9.93	4.84	0.92	19.45	10.41	5.23	0.64
16.90	9.94	4.85	0.91	19.50	10.42	5.24	0.64
16.95	9.95	4.86	0.90	19.55	10.43	5.25	0.64
17.00	9.96	4.87	0.89	19.60	10.44	5.25	0.64
17.05	9.97	4.88	0.89	19.65	10.44	5.26	0.64
17.10	9.99	4.89	0.88	19.70	10.45	5.27	0.63
17.15	10.00	4.90	0.87	19.75	10.46	5.27	0.63
17.20	10.01	4.90	0.86	19.80	10.47	5.28	0.63
17.25	10.02	4.91	0.85	19.85	10.48	5.29	0.63
17.30	10.03	4.92	0.84	19.90	10.48	5.29	0.63
17.35	10.04	4.93	0.83	19.95	10.49	5.30	0.63
17.40	10.05	4.94	0.83	20.00	10.50	5.31	0.62
17.45	10.06	4.95	0.82	20.05	10.51	5.31	0.62
17.50	10.07	4.96	0.81	20.10	10.52	5.32	0.62
17.55	10.08	4.96	0.80	20.15	10.52	5.33	0.62
17.60	10.09	4.97	0.79	20.20	10.53	5.33	0.61
17.65	10.10	4.98	0.79	20.25	10.54	5.34	0.61
17.70	10.11	4.99	0.78	20.30	10.55	5.34	0.61
17.75	10.12	4.99	0.77	20.35	10.55	5.35	0.61
17.80	10.13	5.00	0.76	20.40	10.56	5.36	0.61
17.85	10.14	5.01	0.75	20.45	10.57	5.36	0.60
17.90	10.15	5.02	0.74	20.50	10.58	5.37	0.60
17.95	10.16	5.03	0.74	20.55	10.58	5.38	0.60
18.00	10.17	5.03	0.73	20.60	10.59	5.38	0.60
18.05	10.17	5.04	0.72	20.65	10.60	5.39	0.60
18.10	10.18	5.05	0.71	20.70	10.61	5.39	0.60
18.15	10.19	5.05	0.70	20.75	10.61	5.40	0.59

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	5.41	0.59	23.40	10.97	5.69	0.48
20.85	10.63	5.41	0.59	23.45	10.97	5.70	0.48
20.90	10.64	5.42	0.58	23.50	10.98	5.70	0.48
20.95	10.64	5.43	0.58	23.55	10.99	5.71	0.47
21.00	10.65	5.43	0.58	23.60	10.99	5.71	0.47
21.05	10.66	5.44	0.58	23.65	11.00	5.72	0.47
21.10	10.66	5.44	0.58	23.70	11.00	5.72	0.47
21.15	10.67	5.45	0.57	23.75	11.01	5.73	0.47
21.20	10.68	5.45	0.57	23.80	11.01	5.73	0.47
21.25	10.69	5.46	0.57	23.85	11.02	5.74	0.46
21.30	10.69	5.47	0.57	23.90	11.03	5.74	0.46
21.35	10.70	5.47	0.57	23.95	11.03	5.75	0.46
21.40	10.71	5.48	0.57	24.00	11.04	5.75	0.48
21.45	10.71	5.48	0.56	24.05	11.04	5.75	0.50
21.50	10.72	5.49	0.56	24.10	11.04	5.75	0.40
21.55	10.73	5.50	0.56	24.15	11.04	5.75	0.23
21.60	10.74	5.50	0.56	24.20	11.04	5.75	0.11
21.65	10.74	5.51	0.55	24.25	11.04	5.75	0.05
21.70	10.75	5.51	0.55	24.30	11.04	5.75	0.02
21.75	10.76	5.52	0.55	24.35	11.04	5.75	0.01
21.80	10.76	5.52	0.55	24.40	11.04	5.75	0.01
21.85	10.77	5.53	0.55	24.45	11.04	5.75	0.00
21.90	10.78	5.54	0.55	24.50	11.04	5.75	0.00
21.95	10.78	5.54	0.54	24.55	11.04	5.75	0.00
22.00	10.79	5.55	0.54	24.60	11.04	5.75	0.00
22.05	10.80	5.55	0.54	24.65	11.04	5.75	0.00
22.10	10.80	5.56	0.53	24.70	11.04	5.75	0.00
22.15	10.81	5.56	0.53	24.75	11.04	5.75	0.00
22.20	10.82	5.57	0.53	24.80	11.04	5.75	0.00
22.25	10.82	5.57	0.53	24.85	11.04	5.75	0.00
22.30	10.83	5.58	0.53	24.90	11.04	5.75	0.00
22.35	10.84	5.59	0.53	24.95	11.04	5.75	0.00
22.40	10.84	5.59	0.52	25.00	11.04	5.75	0.00
22.45	10.85	5.60	0.52	25.05	11.04	5.75	0.00
22.50	10.86	5.60	0.52	25.10	11.04	5.75	0.00
22.55	10.86	5.61	0.52	25.15	11.04	5.75	0.00
22.60	10.87	5.61	0.51	25.20	11.04	5.75	0.00
22.65	10.88	5.62	0.51	25.25	11.04	5.75	0.00
22.70	10.88	5.62	0.51	25.30	11.04	5.75	0.00
22.75	10.89	5.63	0.51	25.35	11.04	5.75	0.00
22.80	10.89	5.63	0.51	25.40	11.04	5.75	0.00
22.85	10.90	5.64	0.50	25.45	11.04	5.75	0.00
22.90	10.91	5.64	0.50	25.50	11.04	5.75	0.00
22.95	10.91	5.65	0.50	25.55	11.04	5.75	0.00
23.00	10.92	5.65	0.50	25.60	11.04	5.75	0.00
23.05	10.93	5.66	0.50	25.65	11.04	5.75	0.00
23.10	10.93	5.66	0.49	25.70	11.04	5.75	0.00
23.15	10.94	5.67	0.49	25.75	11.04	5.75	0.00
23.20	10.94	5.67	0.49	25.80	11.04	5.75	0.00
23.25	10.95	5.68	0.49	25.85	11.04	5.75	0.00
23.30	10.96	5.68	0.48	25.90	11.04	5.75	0.00
23.35	10.96	5.69	0.48	25.95	11.04	5.75	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	5.75	0.00	28.60	11.04	5.75	0.00
26.05	11.04	5.75	0.00	28.65	11.04	5.75	0.00
26.10	11.04	5.75	0.00	28.70	11.04	5.75	0.00
26.15	11.04	5.75	0.00	28.75	11.04	5.75	0.00
26.20	11.04	5.75	0.00	28.80	11.04	5.75	0.00
26.25	11.04	5.75	0.00	28.85	11.04	5.75	0.00
26.30	11.04	5.75	0.00	28.90	11.04	5.75	0.00
26.35	11.04	5.75	0.00	28.95	11.04	5.75	0.00
26.40	11.04	5.75	0.00	29.00	11.04	5.75	0.00
26.45	11.04	5.75	0.00	29.05	11.04	5.75	0.00
26.50	11.04	5.75	0.00	29.10	11.04	5.75	0.00
26.55	11.04	5.75	0.00	29.15	11.04	5.75	0.00
26.60	11.04	5.75	0.00	29.20	11.04	5.75	0.00
26.65	11.04	5.75	0.00	29.25	11.04	5.75	0.00
26.70	11.04	5.75	0.00	29.30	11.04	5.75	0.00
26.75	11.04	5.75	0.00	29.35	11.04	5.75	0.00
26.80	11.04	5.75	0.00	29.40	11.04	5.75	0.00
26.85	11.04	5.75	0.00	29.45	11.04	5.75	0.00
26.90	11.04	5.75	0.00	29.50	11.04	5.75	0.00
26.95	11.04	5.75	0.00	29.55	11.04	5.75	0.00
27.00	11.04	5.75	0.00	29.60	11.04	5.75	0.00
27.05	11.04	5.75	0.00	29.65	11.04	5.75	0.00
27.10	11.04	5.75	0.00	29.70	11.04	5.75	0.00
27.15	11.04	5.75	0.00	29.75	11.04	5.75	0.00
27.20	11.04	5.75	0.00	29.80	11.04	5.75	0.00
27.25	11.04	5.75	0.00	29.85	11.04	5.75	0.00
27.30	11.04	5.75	0.00	29.90	11.04	5.75	0.00
27.35	11.04	5.75	0.00	29.95	11.04	5.75	0.00
27.40	11.04	5.75	0.00	30.00	11.04	5.75	0.00
27.45	11.04	5.75	0.00	30.05	11.04	5.75	0.00
27.50	11.04	5.75	0.00	30.10	11.04	5.75	0.00
27.55	11.04	5.75	0.00	30.15	11.04	5.75	0.00
27.60	11.04	5.75	0.00	30.20	11.04	5.75	0.00
27.65	11.04	5.75	0.00	30.25	11.04	5.75	0.00
27.70	11.04	5.75	0.00	30.30	11.04	5.75	0.00
27.75	11.04	5.75	0.00	30.35	11.04	5.75	0.00
27.80	11.04	5.75	0.00	30.40	11.04	5.75	0.00
27.85	11.04	5.75	0.00	30.45	11.04	5.75	0.00
27.90	11.04	5.75	0.00	30.50	11.04	5.75	0.00
27.95	11.04	5.75	0.00	30.55	11.04	5.75	0.00
28.00	11.04	5.75	0.00	30.60	11.04	5.75	0.00
28.05	11.04	5.75	0.00	30.65	11.04	5.75	0.00
28.10	11.04	5.75	0.00	30.70	11.04	5.75	0.00
28.15	11.04	5.75	0.00	30.75	11.04	5.75	0.00
28.20	11.04	5.75	0.00	30.80	11.04	5.75	0.00
28.25	11.04	5.75	0.00	30.85	11.04	5.75	0.00
28.30	11.04	5.75	0.00	30.90	11.04	5.75	0.00
28.35	11.04	5.75	0.00	30.95	11.04	5.75	0.00
28.40	11.04	5.75	0.00	31.00	11.04	5.75	0.00
28.45	11.04	5.75	0.00	31.05	11.04	5.75	0.00
28.50	11.04	5.75	0.00	31.10	11.04	5.75	0.00
28.55	11.04	5.75	0.00	31.15	11.04	5.75	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	5.75	0.00	33.80	11.04	5.75	0.00
31.25	11.04	5.75	0.00	33.85	11.04	5.75	0.00
31.30	11.04	5.75	0.00	33.90	11.04	5.75	0.00
31.35	11.04	5.75	0.00	33.95	11.04	5.75	0.00
31.40	11.04	5.75	0.00	34.00	11.04	5.75	0.00
31.45	11.04	5.75	0.00	34.05	11.04	5.75	0.00
31.50	11.04	5.75	0.00	34.10	11.04	5.75	0.00
31.55	11.04	5.75	0.00	34.15	11.04	5.75	0.00
31.60	11.04	5.75	0.00	34.20	11.04	5.75	0.00
31.65	11.04	5.75	0.00	34.25	11.04	5.75	0.00
31.70	11.04	5.75	0.00	34.30	11.04	5.75	0.00
31.75	11.04	5.75	0.00	34.35	11.04	5.75	0.00
31.80	11.04	5.75	0.00	34.40	11.04	5.75	0.00
31.85	11.04	5.75	0.00	34.45	11.04	5.75	0.00
31.90	11.04	5.75	0.00	34.50	11.04	5.75	0.00
31.95	11.04	5.75	0.00	34.55	11.04	5.75	0.00
32.00	11.04	5.75	0.00	34.60	11.04	5.75	0.00
32.05	11.04	5.75	0.00	34.65	11.04	5.75	0.00
32.10	11.04	5.75	0.00	34.70	11.04	5.75	0.00
32.15	11.04	5.75	0.00	34.75	11.04	5.75	0.00
32.20	11.04	5.75	0.00	34.80	11.04	5.75	0.00
32.25	11.04	5.75	0.00	34.85	11.04	5.75	0.00
32.30	11.04	5.75	0.00	34.90	11.04	5.75	0.00
32.35	11.04	5.75	0.00	34.95	11.04	5.75	0.00
32.40	11.04	5.75	0.00	35.00	11.04	5.75	0.00
32.45	11.04	5.75	0.00	35.05	11.04	5.75	0.00
32.50	11.04	5.75	0.00	35.10	11.04	5.75	0.00
32.55	11.04	5.75	0.00	35.15	11.04	5.75	0.00
32.60	11.04	5.75	0.00	35.20	11.04	5.75	0.00
32.65	11.04	5.75	0.00	35.25	11.04	5.75	0.00
32.70	11.04	5.75	0.00	35.30	11.04	5.75	0.00
32.75	11.04	5.75	0.00	35.35	11.04	5.75	0.00
32.80	11.04	5.75	0.00	35.40	11.04	5.75	0.00
32.85	11.04	5.75	0.00	35.45	11.04	5.75	0.00
32.90	11.04	5.75	0.00	35.50	11.04	5.75	0.00
32.95	11.04	5.75	0.00	35.55	11.04	5.75	0.00
33.00	11.04	5.75	0.00	35.60	11.04	5.75	0.00
33.05	11.04	5.75	0.00	35.65	11.04	5.75	0.00
33.10	11.04	5.75	0.00	35.70	11.04	5.75	0.00
33.15	11.04	5.75	0.00	35.75	11.04	5.75	0.00
33.20	11.04	5.75	0.00	35.80	11.04	5.75	0.00
33.25	11.04	5.75	0.00	35.85	11.04	5.75	0.00
33.30	11.04	5.75	0.00	35.90	11.04	5.75	0.00
33.35	11.04	5.75	0.00	35.95	11.04	5.75	0.00
33.40	11.04	5.75	0.00	36.00	11.04	5.75	0.00
33.45	11.04	5.75	0.00	36.05	11.04	5.75	0.00
33.50	11.04	5.75	0.00	36.10	11.04	5.75	0.00
33.55	11.04	5.75	0.00	36.15	11.04	5.75	0.00
33.60	11.04	5.75	0.00	36.20	11.04	5.75	0.00
33.65	11.04	5.75	0.00	36.25	11.04	5.75	0.00
33.70	11.04	5.75	0.00	36.30	11.04	5.75	0.00
33.75	11.04	5.75	0.00	36.35	11.04	5.75	0.00

Hydrograph for Subcatchment X-6S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	5.75	0.00	39.00	11.04	5.75	0.00
36.45	11.04	5.75	0.00	39.05	11.04	5.75	0.00
36.50	11.04	5.75	0.00	39.10	11.04	5.75	0.00
36.55	11.04	5.75	0.00	39.15	11.04	5.75	0.00
36.60	11.04	5.75	0.00	39.20	11.04	5.75	0.00
36.65	11.04	5.75	0.00	39.25	11.04	5.75	0.00
36.70	11.04	5.75	0.00	39.30	11.04	5.75	0.00
36.75	11.04	5.75	0.00	39.35	11.04	5.75	0.00
36.80	11.04	5.75	0.00	39.40	11.04	5.75	0.00
36.85	11.04	5.75	0.00	39.45	11.04	5.75	0.00
36.90	11.04	5.75	0.00	39.50	11.04	5.75	0.00
36.95	11.04	5.75	0.00	39.55	11.04	5.75	0.00
37.00	11.04	5.75	0.00	39.60	11.04	5.75	0.00
37.05	11.04	5.75	0.00	39.65	11.04	5.75	0.00
37.10	11.04	5.75	0.00	39.70	11.04	5.75	0.00
37.15	11.04	5.75	0.00	39.75	11.04	5.75	0.00
37.20	11.04	5.75	0.00	39.80	11.04	5.75	0.00
37.25	11.04	5.75	0.00	39.85	11.04	5.75	0.00
37.30	11.04	5.75	0.00	39.90	11.04	5.75	0.00
37.35	11.04	5.75	0.00	39.95	11.04	5.75	0.00
37.40	11.04	5.75	0.00	40.00	11.04	5.75	0.00
37.45	11.04	5.75	0.00				
37.50	11.04	5.75	0.00				
37.55	11.04	5.75	0.00				
37.60	11.04	5.75	0.00				
37.65	11.04	5.75	0.00				
37.70	11.04	5.75	0.00				
37.75	11.04	5.75	0.00				
37.80	11.04	5.75	0.00				
37.85	11.04	5.75	0.00				
37.90	11.04	5.75	0.00				
37.95	11.04	5.75	0.00				
38.00	11.04	5.75	0.00				
38.05	11.04	5.75	0.00				
38.10	11.04	5.75	0.00				
38.15	11.04	5.75	0.00				
38.20	11.04	5.75	0.00				
38.25	11.04	5.75	0.00				
38.30	11.04	5.75	0.00				
38.35	11.04	5.75	0.00				
38.40	11.04	5.75	0.00				
38.45	11.04	5.75	0.00				
38.50	11.04	5.75	0.00				
38.55	11.04	5.75	0.00				
38.60	11.04	5.75	0.00				
38.65	11.04	5.75	0.00				
38.70	11.04	5.75	0.00				
38.75	11.04	5.75	0.00				
38.80	11.04	5.75	0.00				
38.85	11.04	5.75	0.00				
38.90	11.04	5.75	0.00				
38.95	11.04	5.75	0.00				

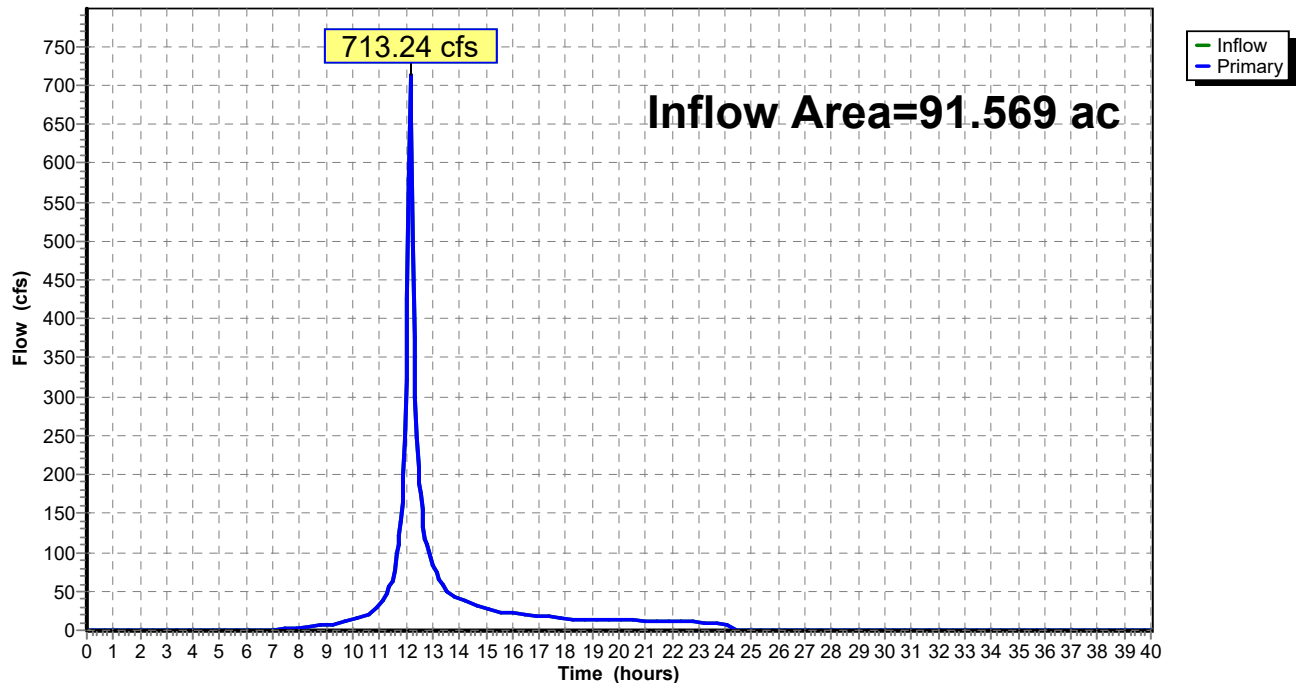
Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 6.83" for Future 100 yr event
 Inflow = 713.24 cfs @ 12.16 hrs, Volume= 52.130 af
 Primary = 713.24 cfs @ 12.16 hrs, Volume= 52.130 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1

Hydrograph



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.18	0.00	0.18
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.18
0.10	0.00	0.00	0.00	2.70	0.19	0.00	0.19
0.15	0.00	0.00	0.00	2.75	0.20	0.00	0.20
0.20	0.00	0.00	0.00	2.80	0.21	0.00	0.21
0.25	0.00	0.00	0.00	2.85	0.22	0.00	0.22
0.30	0.00	0.00	0.00	2.90	0.22	0.00	0.22
0.35	0.00	0.00	0.00	2.95	0.23	0.00	0.23
0.40	0.00	0.00	0.00	3.00	0.24	0.00	0.24
0.45	0.00	0.00	0.00	3.05	0.24	0.00	0.24
0.50	0.00	0.00	0.00	3.10	0.25	0.00	0.25
0.55	0.00	0.00	0.00	3.15	0.26	0.00	0.26
0.60	0.00	0.00	0.00	3.20	0.27	0.00	0.27
0.65	0.00	0.00	0.00	3.25	0.27	0.00	0.27
0.70	0.00	0.00	0.00	3.30	0.28	0.00	0.28
0.75	0.00	0.00	0.00	3.35	0.29	0.00	0.29
0.80	0.00	0.00	0.00	3.40	0.29	0.00	0.29
0.85	0.00	0.00	0.00	3.45	0.30	0.00	0.30
0.90	0.00	0.00	0.00	3.50	0.31	0.00	0.31
0.95	0.00	0.00	0.00	3.55	0.32	0.00	0.32
1.00	0.00	0.00	0.00	3.60	0.32	0.00	0.32
1.05	0.00	0.00	0.00	3.65	0.33	0.00	0.33
1.10	0.00	0.00	0.00	3.70	0.33	0.00	0.33
1.15	0.00	0.00	0.00	3.75	0.34	0.00	0.34
1.20	0.00	0.00	0.00	3.80	0.35	0.00	0.35
1.25	0.00	0.00	0.00	3.85	0.35	0.00	0.35
1.30	0.00	0.00	0.00	3.90	0.36	0.00	0.36
1.35	0.00	0.00	0.00	3.95	0.37	0.00	0.37
1.40	0.00	0.00	0.00	4.00	0.37	0.00	0.37
1.45	0.00	0.00	0.00	4.05	0.38	0.00	0.38
1.50	0.00	0.00	0.00	4.10	0.39	0.00	0.39
1.55	0.00	0.00	0.00	4.15	0.39	0.00	0.39
1.60	0.01	0.00	0.01	4.20	0.40	0.00	0.40
1.65	0.02	0.00	0.02	4.25	0.40	0.00	0.40
1.70	0.03	0.00	0.03	4.30	0.41	0.00	0.41
1.75	0.03	0.00	0.03	4.35	0.42	0.00	0.42
1.80	0.04	0.00	0.04	4.40	0.42	0.00	0.42
1.85	0.05	0.00	0.05	4.45	0.43	0.00	0.43
1.90	0.06	0.00	0.06	4.50	0.43	0.00	0.43
1.95	0.07	0.00	0.07	4.55	0.44	0.00	0.44
2.00	0.08	0.00	0.08	4.60	0.45	0.00	0.45
2.05	0.09	0.00	0.09	4.65	0.45	0.00	0.45
2.10	0.10	0.00	0.10	4.70	0.46	0.00	0.46
2.15	0.10	0.00	0.10	4.75	0.46	0.00	0.46
2.20	0.11	0.00	0.11	4.80	0.47	0.00	0.47
2.25	0.12	0.00	0.12	4.85	0.47	0.00	0.47
2.30	0.13	0.00	0.13	4.90	0.48	0.00	0.48
2.35	0.14	0.00	0.14	4.95	0.49	0.00	0.49
2.40	0.15	0.00	0.15	5.00	0.49	0.00	0.49
2.45	0.15	0.00	0.15	5.05	0.50	0.00	0.50
2.50	0.16	0.00	0.16	5.10	0.50	0.00	0.50
2.55	0.17	0.00	0.17	5.15	0.51	0.00	0.51

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.51	0.00	0.51	7.80	2.78	0.00	2.78
5.25	0.52	0.00	0.52	7.85	2.90	0.00	2.90
5.30	0.52	0.00	0.52	7.90	3.03	0.00	3.03
5.35	0.53	0.00	0.53	7.95	3.16	0.00	3.16
5.40	0.54	0.00	0.54	8.00	3.29	0.00	3.29
5.45	0.54	0.00	0.54	8.05	3.43	0.00	3.43
5.50	0.55	0.00	0.55	8.10	3.56	0.00	3.56
5.55	0.55	0.00	0.55	8.15	3.69	0.00	3.69
5.60	0.56	0.00	0.56	8.20	3.83	0.00	3.83
5.65	0.56	0.00	0.56	8.25	3.97	0.00	3.97
5.70	0.57	0.00	0.57	8.30	4.11	0.00	4.11
5.75	0.57	0.00	0.57	8.35	4.25	0.00	4.25
5.80	0.58	0.00	0.58	8.40	4.39	0.00	4.39
5.85	0.58	0.00	0.58	8.45	4.54	0.00	4.54
5.90	0.59	0.00	0.59	8.50	4.69	0.00	4.69
5.95	0.59	0.00	0.59	8.55	4.85	0.00	4.85
6.00	0.60	0.00	0.60	8.60	5.00	0.00	5.00
6.05	0.60	0.00	0.60	8.65	5.15	0.00	5.15
6.10	0.61	0.00	0.61	8.70	5.31	0.00	5.31
6.15	0.62	0.00	0.62	8.75	5.47	0.00	5.47
6.20	0.63	0.00	0.63	8.80	5.62	0.00	5.62
6.25	0.64	0.00	0.64	8.85	5.78	0.00	5.78
6.30	0.65	0.00	0.65	8.90	5.94	0.00	5.94
6.35	0.66	0.00	0.66	8.95	6.10	0.00	6.10
6.40	0.67	0.00	0.67	9.00	6.27	0.00	6.27
6.45	0.68	0.00	0.68	9.05	6.46	0.00	6.46
6.50	0.70	0.00	0.70	9.10	6.69	0.00	6.69
6.55	0.71	0.00	0.71	9.15	6.97	0.00	6.97
6.60	0.72	0.00	0.72	9.20	7.27	0.00	7.27
6.65	0.73	0.00	0.73	9.25	7.58	0.00	7.58
6.70	0.75	0.00	0.75	9.30	7.92	0.00	7.92
6.75	0.78	0.00	0.78	9.35	8.26	0.00	8.26
6.80	0.80	0.00	0.80	9.40	8.61	0.00	8.61
6.85	0.84	0.00	0.84	9.45	8.96	0.00	8.96
6.90	0.89	0.00	0.89	9.50	9.33	0.00	9.33
6.95	0.95	0.00	0.95	9.55	9.70	0.00	9.70
7.00	1.04	0.00	1.04	9.60	10.10	0.00	10.10
7.05	1.13	0.00	1.13	9.65	10.50	0.00	10.50
7.10	1.22	0.00	1.22	9.70	10.91	0.00	10.91
7.15	1.32	0.00	1.32	9.75	11.31	0.00	11.31
7.20	1.42	0.00	1.42	9.80	11.73	0.00	11.73
7.25	1.52	0.00	1.52	9.85	12.16	0.00	12.16
7.30	1.63	0.00	1.63	9.90	12.62	0.00	12.62
7.35	1.73	0.00	1.73	9.95	13.08	0.00	13.08
7.40	1.84	0.00	1.84	10.00	13.54	0.00	13.54
7.45	1.95	0.00	1.95	10.05	14.00	0.00	14.00
7.50	2.07	0.00	2.07	10.10	14.48	0.00	14.48
7.55	2.18	0.00	2.18	10.15	14.97	0.00	14.97
7.60	2.29	0.00	2.29	10.20	15.48	0.00	15.48
7.65	2.41	0.00	2.41	10.25	16.00	0.00	16.00
7.70	2.53	0.00	2.53	10.30	16.52	0.00	16.52
7.75	2.65	0.00	2.65	10.35	17.03	0.00	17.03

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	17.57	0.00	17.57	13.00	84.90	0.00	84.90
10.45	18.11	0.00	18.11	13.05	80.48	0.00	80.48
10.50	18.68	0.00	18.68	13.10	75.97	0.00	75.97
10.55	19.33	0.00	19.33	13.15	71.73	0.00	71.73
10.60	20.36	0.00	20.36	13.20	68.29	0.00	68.29
10.65	21.61	0.00	21.61	13.25	65.46	0.00	65.46
10.70	23.03	0.00	23.03	13.30	62.85	0.00	62.85
10.75	24.51	0.00	24.51	13.35	60.39	0.00	60.39
10.80	26.09	0.00	26.09	13.40	57.91	0.00	57.91
10.85	27.71	0.00	27.71	13.45	55.48	0.00	55.48
10.90	29.40	0.00	29.40	13.50	53.03	0.00	53.03
10.95	31.11	0.00	31.11	13.55	50.62	0.00	50.62
11.00	32.91	0.00	32.91	13.60	48.17	0.00	48.17
11.05	34.85	0.00	34.85	13.65	45.94	0.00	45.94
11.10	37.37	0.00	37.37	13.70	44.41	0.00	44.41
11.15	40.23	0.00	40.23	13.75	43.38	0.00	43.38
11.20	43.40	0.00	43.40	13.80	42.57	0.00	42.57
11.25	46.68	0.00	46.68	13.85	41.88	0.00	41.88
11.30	50.16	0.00	50.16	13.90	41.23	0.00	41.23
11.35	53.69	0.00	53.69	13.95	40.63	0.00	40.63
11.40	57.43	0.00	57.43	14.00	39.98	0.00	39.98
11.45	61.15	0.00	61.15	14.05	39.34	0.00	39.34
11.50	64.79	0.00	64.79	14.10	38.69	0.00	38.69
11.55	70.07	0.00	70.07	14.15	38.07	0.00	38.07
11.60	82.98	0.00	82.98	14.20	37.44	0.00	37.44
11.65	99.11	0.00	99.11	14.25	36.85	0.00	36.85
11.70	111.22	0.00	111.22	14.30	36.19	0.00	36.19
11.75	121.87	0.00	121.87	14.35	35.55	0.00	35.55
11.80	140.19	0.00	140.19	14.40	34.88	0.00	34.88
11.85	164.97	0.00	164.97	14.45	34.25	0.00	34.25
11.90	198.74	0.00	198.74	14.50	33.62	0.00	33.62
11.95	243.84	0.00	243.84	14.55	33.02	0.00	33.02
12.00	321.15	0.00	321.15	14.60	32.36	0.00	32.36
12.05	426.18	0.00	426.18	14.65	31.70	0.00	31.70
12.10	577.48	0.00	577.48	14.70	31.04	0.00	31.04
12.15	709.36	0.00	709.36	14.75	30.40	0.00	30.40
12.20	653.73	0.00	653.73	14.80	29.76	0.00	29.76
12.25	494.37	0.00	494.37	14.85	29.15	0.00	29.15
12.30	374.66	0.00	374.66	14.90	28.49	0.00	28.49
12.35	300.09	0.00	300.09	14.95	27.82	0.00	27.82
12.40	247.76	0.00	247.76	15.00	27.15	0.00	27.15
12.45	210.34	0.00	210.34	15.05	26.51	0.00	26.51
12.50	188.90	0.00	188.90	15.10	25.87	0.00	25.87
12.55	175.03	0.00	175.03	15.15	25.30	0.00	25.30
12.60	154.26	0.00	154.26	15.20	24.89	0.00	24.89
12.65	131.70	0.00	131.70	15.25	24.59	0.00	24.59
12.70	117.46	0.00	117.46	15.30	24.37	0.00	24.37
12.75	109.48	0.00	109.48	15.35	24.18	0.00	24.18
12.80	103.55	0.00	103.55	15.40	24.02	0.00	24.02
12.85	98.61	0.00	98.61	15.45	23.87	0.00	23.87
12.90	93.89	0.00	93.89	15.50	23.70	0.00	23.70
12.95	89.42	0.00	89.42	15.55	23.51	0.00	23.51

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	23.35	0.00	23.35	18.20	14.46	0.00	14.46
15.65	23.20	0.00	23.20	18.25	14.39	0.00	14.39
15.70	23.02	0.00	23.02	18.30	14.34	0.00	14.34
15.75	22.83	0.00	22.83	18.35	14.29	0.00	14.29
15.80	22.64	0.00	22.64	18.40	14.25	0.00	14.25
15.85	22.48	0.00	22.48	18.45	14.20	0.00	14.20
15.90	22.32	0.00	22.32	18.50	14.16	0.00	14.16
15.95	22.18	0.00	22.18	18.55	14.12	0.00	14.12
16.00	22.00	0.00	22.00	18.60	14.08	0.00	14.08
16.05	21.81	0.00	21.81	18.65	14.03	0.00	14.03
16.10	21.64	0.00	21.64	18.70	13.99	0.00	13.99
16.15	21.50	0.00	21.50	18.75	13.95	0.00	13.95
16.20	21.34	0.00	21.34	18.80	13.91	0.00	13.91
16.25	21.18	0.00	21.18	18.85	13.86	0.00	13.86
16.30	20.98	0.00	20.98	18.90	13.82	0.00	13.82
16.35	20.79	0.00	20.79	18.95	13.78	0.00	13.78
16.40	20.62	0.00	20.62	19.00	13.73	0.00	13.73
16.45	20.47	0.00	20.47	19.05	13.69	0.00	13.69
16.50	20.28	0.00	20.28	19.10	13.65	0.00	13.65
16.55	20.09	0.00	20.09	19.15	13.61	0.00	13.61
16.60	19.93	0.00	19.93	19.20	13.56	0.00	13.56
16.65	19.78	0.00	19.78	19.25	13.52	0.00	13.52
16.70	19.62	0.00	19.62	19.30	13.48	0.00	13.48
16.75	19.45	0.00	19.45	19.35	13.43	0.00	13.43
16.80	19.26	0.00	19.26	19.40	13.39	0.00	13.39
16.85	19.06	0.00	19.06	19.45	13.35	0.00	13.35
16.90	18.89	0.00	18.89	19.50	13.30	0.00	13.30
16.95	18.74	0.00	18.74	19.55	13.26	0.00	13.26
17.00	18.58	0.00	18.58	19.60	13.22	0.00	13.22
17.05	18.41	0.00	18.41	19.65	13.18	0.00	13.18
17.10	18.24	0.00	18.24	19.70	13.13	0.00	13.13
17.15	18.07	0.00	18.07	19.75	13.10	0.00	13.10
17.20	17.89	0.00	17.89	19.80	13.07	0.00	13.07
17.25	17.72	0.00	17.72	19.85	13.06	0.00	13.06
17.30	17.52	0.00	17.52	19.90	13.01	0.00	13.01
17.35	17.32	0.00	17.32	19.95	12.94	0.00	12.94
17.40	17.15	0.00	17.15	20.00	12.88	0.00	12.88
17.45	17.00	0.00	17.00	20.05	12.84	0.00	12.84
17.50	16.83	0.00	16.83	20.10	12.79	0.00	12.79
17.55	16.67	0.00	16.67	20.15	12.74	0.00	12.74
17.60	16.49	0.00	16.49	20.20	12.70	0.00	12.70
17.65	16.32	0.00	16.32	20.25	12.66	0.00	12.66
17.70	16.14	0.00	16.14	20.30	12.61	0.00	12.61
17.75	15.97	0.00	15.97	20.35	12.57	0.00	12.57
17.80	15.79	0.00	15.79	20.40	12.53	0.00	12.53
17.85	15.62	0.00	15.62	20.45	12.48	0.00	12.48
17.90	15.44	0.00	15.44	20.50	12.44	0.00	12.44
17.95	15.27	0.00	15.27	20.55	12.40	0.00	12.40
18.00	15.08	0.00	15.08	20.60	12.38	0.00	12.38
18.05	14.91	0.00	14.91	20.65	12.36	0.00	12.36
18.10	14.73	0.00	14.73	20.70	12.32	0.00	12.32
18.15	14.57	0.00	14.57	20.75	12.25	0.00	12.25

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	12.19	0.00	12.19	23.40	9.92	0.00	9.92
20.85	12.14	0.00	12.14	23.45	9.90	0.00	9.90
20.90	12.09	0.00	12.09	23.50	9.85	0.00	9.85
20.95	12.05	0.00	12.05	23.55	9.78	0.00	9.78
21.00	12.01	0.00	12.01	23.60	9.72	0.00	9.72
21.05	11.96	0.00	11.96	23.65	9.68	0.00	9.68
21.10	11.92	0.00	11.92	23.70	9.65	0.00	9.65
21.15	11.88	0.00	11.88	23.75	9.63	0.00	9.63
21.20	11.83	0.00	11.83	23.80	9.58	0.00	9.58
21.25	11.79	0.00	11.79	23.85	9.52	0.00	9.52
21.30	11.77	0.00	11.77	23.90	9.46	0.00	9.46
21.35	11.76	0.00	11.76	23.95	9.53	0.00	9.53
21.40	11.70	0.00	11.70	24.00	10.09	0.00	10.09
21.45	11.64	0.00	11.64	24.05	10.25	0.00	10.25
21.50	11.58	0.00	11.58	24.10	7.67	0.00	7.67
21.55	11.53	0.00	11.53	24.15	3.93	0.00	3.93
21.60	11.48	0.00	11.48	24.20	1.71	0.00	1.71
21.65	11.44	0.00	11.44	24.25	0.75	0.00	0.75
21.70	11.39	0.00	11.39	24.30	0.32	0.00	0.32
21.75	11.35	0.00	11.35	24.35	0.13	0.00	0.13
21.80	11.33	0.00	11.33	24.40	0.05	0.00	0.05
21.85	11.32	0.00	11.32	24.45	0.01	0.00	0.01
21.90	11.27	0.00	11.27	24.50	0.00	0.00	0.00
21.95	11.20	0.00	11.20	24.55	0.00	0.00	0.00
22.00	11.14	0.00	11.14	24.60	0.00	0.00	0.00
22.05	11.09	0.00	11.09	24.65	0.00	0.00	0.00
22.10	11.04	0.00	11.04	24.70	0.00	0.00	0.00
22.15	11.00	0.00	11.00	24.75	0.00	0.00	0.00
22.20	10.98	0.00	10.98	24.80	0.00	0.00	0.00
22.25	10.96	0.00	10.96	24.85	0.00	0.00	0.00
22.30	10.91	0.00	10.91	24.90	0.00	0.00	0.00
22.35	10.85	0.00	10.85	24.95	0.00	0.00	0.00
22.40	10.79	0.00	10.79	25.00	0.00	0.00	0.00
22.45	10.74	0.00	10.74	25.05	0.00	0.00	0.00
22.50	10.69	0.00	10.69	25.10	0.00	0.00	0.00
22.55	10.65	0.00	10.65	25.15	0.00	0.00	0.00
22.60	10.63	0.00	10.63	25.20	0.00	0.00	0.00
22.65	10.61	0.00	10.61	25.25	0.00	0.00	0.00
22.70	10.56	0.00	10.56	25.30	0.00	0.00	0.00
22.75	10.49	0.00	10.49	25.35	0.00	0.00	0.00
22.80	10.43	0.00	10.43	25.40	0.00	0.00	0.00
22.85	10.38	0.00	10.38	25.45	0.00	0.00	0.00
22.90	10.34	0.00	10.34	25.50	0.00	0.00	0.00
22.95	10.30	0.00	10.30	25.55	0.00	0.00	0.00
23.00	10.27	0.00	10.27	25.60	0.00	0.00	0.00
23.05	10.26	0.00	10.26	25.65	0.00	0.00	0.00
23.10	10.20	0.00	10.20	25.70	0.00	0.00	0.00
23.15	10.14	0.00	10.14	25.75	0.00	0.00	0.00
23.20	10.08	0.00	10.08	25.80	0.00	0.00	0.00
23.25	10.03	0.00	10.03	25.85	0.00	0.00	0.00
23.30	9.98	0.00	9.98	25.90	0.00	0.00	0.00
23.35	9.94	0.00	9.94	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

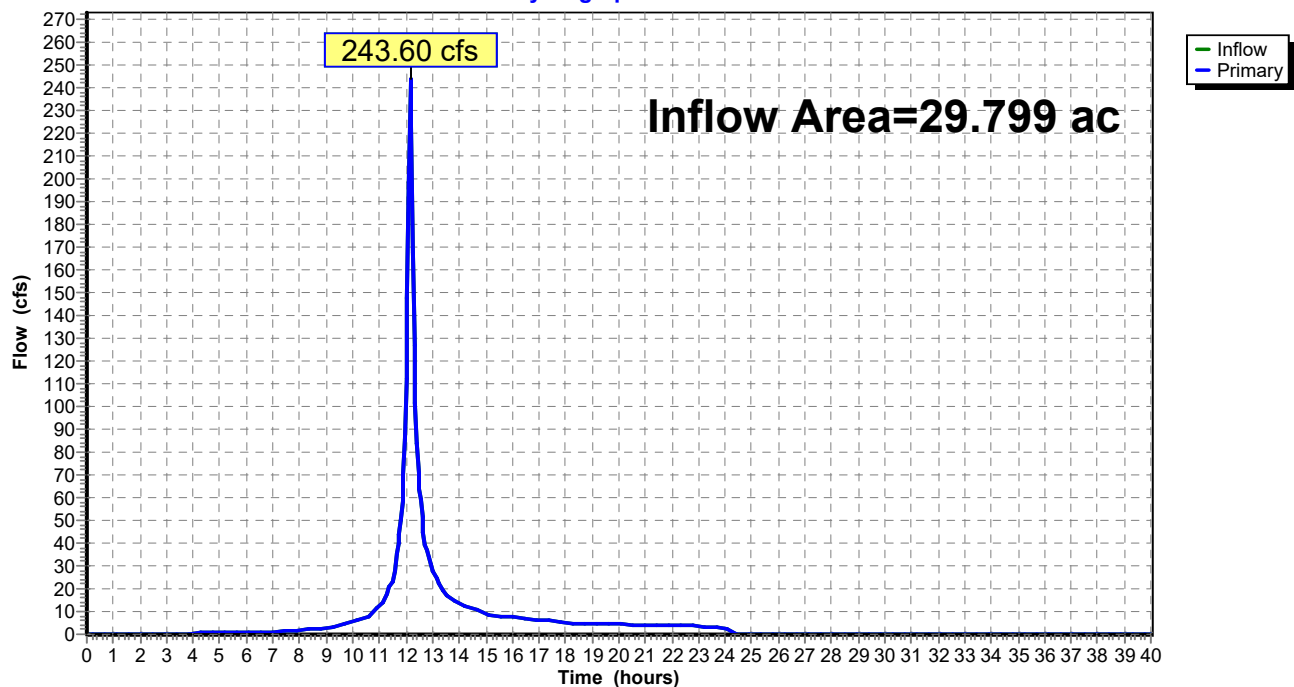
Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-10: XDA-10

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 7.29" for Future 100 yr event
Inflow = 243.60 cfs @ 12.16 hrs, Volume= 18.113 af
Primary = 243.60 cfs @ 12.16 hrs, Volume= 18.113 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-10: XDA-10**Hydrograph**

Hydrograph for Link XDA-10: XDA-10

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.18	0.00	0.18
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.18
0.10	0.00	0.00	0.00	2.70	0.19	0.00	0.19
0.15	0.00	0.00	0.00	2.75	0.20	0.00	0.20
0.20	0.00	0.00	0.00	2.80	0.21	0.00	0.21
0.25	0.00	0.00	0.00	2.85	0.22	0.00	0.22
0.30	0.00	0.00	0.00	2.90	0.22	0.00	0.22
0.35	0.00	0.00	0.00	2.95	0.23	0.00	0.23
0.40	0.00	0.00	0.00	3.00	0.24	0.00	0.24
0.45	0.00	0.00	0.00	3.05	0.24	0.00	0.24
0.50	0.00	0.00	0.00	3.10	0.25	0.00	0.25
0.55	0.00	0.00	0.00	3.15	0.26	0.00	0.26
0.60	0.00	0.00	0.00	3.20	0.27	0.00	0.27
0.65	0.00	0.00	0.00	3.25	0.27	0.00	0.27
0.70	0.00	0.00	0.00	3.30	0.28	0.00	0.28
0.75	0.00	0.00	0.00	3.35	0.29	0.00	0.29
0.80	0.00	0.00	0.00	3.40	0.29	0.00	0.29
0.85	0.00	0.00	0.00	3.45	0.30	0.00	0.30
0.90	0.00	0.00	0.00	3.50	0.31	0.00	0.31
0.95	0.00	0.00	0.00	3.55	0.32	0.00	0.32
1.00	0.00	0.00	0.00	3.60	0.32	0.00	0.32
1.05	0.00	0.00	0.00	3.65	0.33	0.00	0.33
1.10	0.00	0.00	0.00	3.70	0.33	0.00	0.33
1.15	0.00	0.00	0.00	3.75	0.34	0.00	0.34
1.20	0.00	0.00	0.00	3.80	0.35	0.00	0.35
1.25	0.00	0.00	0.00	3.85	0.35	0.00	0.35
1.30	0.00	0.00	0.00	3.90	0.36	0.00	0.36
1.35	0.00	0.00	0.00	3.95	0.37	0.00	0.37
1.40	0.00	0.00	0.00	4.00	0.37	0.00	0.37
1.45	0.00	0.00	0.00	4.05	0.38	0.00	0.38
1.50	0.00	0.00	0.00	4.10	0.39	0.00	0.39
1.55	0.00	0.00	0.00	4.15	0.39	0.00	0.39
1.60	0.01	0.00	0.01	4.20	0.40	0.00	0.40
1.65	0.02	0.00	0.02	4.25	0.40	0.00	0.40
1.70	0.03	0.00	0.03	4.30	0.41	0.00	0.41
1.75	0.03	0.00	0.03	4.35	0.42	0.00	0.42
1.80	0.04	0.00	0.04	4.40	0.42	0.00	0.42
1.85	0.05	0.00	0.05	4.45	0.43	0.00	0.43
1.90	0.06	0.00	0.06	4.50	0.43	0.00	0.43
1.95	0.07	0.00	0.07	4.55	0.44	0.00	0.44
2.00	0.08	0.00	0.08	4.60	0.45	0.00	0.45
2.05	0.09	0.00	0.09	4.65	0.45	0.00	0.45
2.10	0.10	0.00	0.10	4.70	0.46	0.00	0.46
2.15	0.10	0.00	0.10	4.75	0.46	0.00	0.46
2.20	0.11	0.00	0.11	4.80	0.47	0.00	0.47
2.25	0.12	0.00	0.12	4.85	0.47	0.00	0.47
2.30	0.13	0.00	0.13	4.90	0.48	0.00	0.48
2.35	0.14	0.00	0.14	4.95	0.49	0.00	0.49
2.40	0.15	0.00	0.15	5.00	0.49	0.00	0.49
2.45	0.15	0.00	0.15	5.05	0.50	0.00	0.50
2.50	0.16	0.00	0.16	5.10	0.50	0.00	0.50
2.55	0.17	0.00	0.17	5.15	0.51	0.00	0.51

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.51	0.00	0.51	7.80	1.60	0.00	1.60
5.25	0.52	0.00	0.52	7.85	1.64	0.00	1.64
5.30	0.52	0.00	0.52	7.90	1.69	0.00	1.69
5.35	0.53	0.00	0.53	7.95	1.73	0.00	1.73
5.40	0.54	0.00	0.54	8.00	1.78	0.00	1.78
5.45	0.54	0.00	0.54	8.05	1.83	0.00	1.83
5.50	0.55	0.00	0.55	8.10	1.88	0.00	1.88
5.55	0.55	0.00	0.55	8.15	1.92	0.00	1.92
5.60	0.56	0.00	0.56	8.20	1.97	0.00	1.97
5.65	0.56	0.00	0.56	8.25	2.03	0.00	2.03
5.70	0.57	0.00	0.57	8.30	2.08	0.00	2.08
5.75	0.57	0.00	0.57	8.35	2.12	0.00	2.12
5.80	0.58	0.00	0.58	8.40	2.17	0.00	2.17
5.85	0.58	0.00	0.58	8.45	2.23	0.00	2.23
5.90	0.59	0.00	0.59	8.50	2.28	0.00	2.28
5.95	0.59	0.00	0.59	8.55	2.34	0.00	2.34
6.00	0.60	0.00	0.60	8.60	2.39	0.00	2.39
6.05	0.60	0.00	0.60	8.65	2.44	0.00	2.44
6.10	0.61	0.00	0.61	8.70	2.50	0.00	2.50
6.15	0.62	0.00	0.62	8.75	2.55	0.00	2.55
6.20	0.63	0.00	0.63	8.80	2.61	0.00	2.61
6.25	0.64	0.00	0.64	8.85	2.66	0.00	2.66
6.30	0.65	0.00	0.65	8.90	2.71	0.00	2.71
6.35	0.66	0.00	0.66	8.95	2.77	0.00	2.77
6.40	0.67	0.00	0.67	9.00	2.83	0.00	2.83
6.45	0.68	0.00	0.68	9.05	2.90	0.00	2.90
6.50	0.70	0.00	0.70	9.10	2.99	0.00	2.99
6.55	0.71	0.00	0.71	9.15	3.09	0.00	3.09
6.60	0.72	0.00	0.72	9.20	3.20	0.00	3.20
6.65	0.73	0.00	0.73	9.25	3.32	0.00	3.32
6.70	0.75	0.00	0.75	9.30	3.45	0.00	3.45
6.75	0.78	0.00	0.78	9.35	3.58	0.00	3.58
6.80	0.80	0.00	0.80	9.40	3.71	0.00	3.71
6.85	0.84	0.00	0.84	9.45	3.84	0.00	3.84
6.90	0.87	0.00	0.87	9.50	3.98	0.00	3.98
6.95	0.91	0.00	0.91	9.55	4.12	0.00	4.12
7.00	0.94	0.00	0.94	9.60	4.26	0.00	4.26
7.05	0.98	0.00	0.98	9.65	4.41	0.00	4.41
7.10	1.02	0.00	1.02	9.70	4.56	0.00	4.56
7.15	1.06	0.00	1.06	9.75	4.71	0.00	4.71
7.20	1.09	0.00	1.09	9.80	4.86	0.00	4.86
7.25	1.13	0.00	1.13	9.85	5.02	0.00	5.02
7.30	1.17	0.00	1.17	9.90	5.18	0.00	5.18
7.35	1.21	0.00	1.21	9.95	5.34	0.00	5.34
7.40	1.25	0.00	1.25	10.00	5.51	0.00	5.51
7.45	1.29	0.00	1.29	10.05	5.67	0.00	5.67
7.50	1.33	0.00	1.33	10.10	5.84	0.00	5.84
7.55	1.38	0.00	1.38	10.15	6.01	0.00	6.01
7.60	1.42	0.00	1.42	10.20	6.19	0.00	6.19
7.65	1.46	0.00	1.46	10.25	6.38	0.00	6.38
7.70	1.50	0.00	1.50	10.30	6.56	0.00	6.56
7.75	1.55	0.00	1.55	10.35	6.74	0.00	6.74

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.92	0.00	6.92	13.00	28.42	0.00	28.42
10.45	7.11	0.00	7.11	13.05	26.93	0.00	26.93
10.50	7.31	0.00	7.31	13.10	25.41	0.00	25.41
10.55	7.54	0.00	7.54	13.15	23.99	0.00	23.99
10.60	7.91	0.00	7.91	13.20	22.84	0.00	22.84
10.65	8.37	0.00	8.37	13.25	21.89	0.00	21.89
10.70	8.89	0.00	8.89	13.30	21.01	0.00	21.01
10.75	9.42	0.00	9.42	13.35	20.18	0.00	20.18
10.80	10.00	0.00	10.00	13.40	19.35	0.00	19.35
10.85	10.58	0.00	10.58	13.45	18.54	0.00	18.54
10.90	11.18	0.00	11.18	13.50	17.71	0.00	17.71
10.95	11.79	0.00	11.79	13.55	16.91	0.00	16.91
11.00	12.43	0.00	12.43	13.60	16.09	0.00	16.09
11.05	13.12	0.00	13.12	13.65	15.34	0.00	15.34
11.10	14.02	0.00	14.02	13.70	14.83	0.00	14.83
11.15	15.04	0.00	15.04	13.75	14.48	0.00	14.48
11.20	16.16	0.00	16.16	13.80	14.21	0.00	14.21
11.25	17.32	0.00	17.32	13.85	13.98	0.00	13.98
11.30	18.54	0.00	18.54	13.90	13.76	0.00	13.76
11.35	19.78	0.00	19.78	13.95	13.56	0.00	13.56
11.40	21.08	0.00	21.08	14.00	13.34	0.00	13.34
11.45	22.36	0.00	22.36	14.05	13.13	0.00	13.13
11.50	23.61	0.00	23.61	14.10	12.90	0.00	12.90
11.55	25.44	0.00	25.44	14.15	12.70	0.00	12.70
11.60	30.01	0.00	30.01	14.20	12.49	0.00	12.49
11.65	35.70	0.00	35.70	14.25	12.29	0.00	12.29
11.70	39.90	0.00	39.90	14.30	12.07	0.00	12.07
11.75	43.53	0.00	43.53	14.35	11.85	0.00	11.85
11.80	49.85	0.00	49.85	14.40	11.63	0.00	11.63
11.85	58.39	0.00	58.39	14.45	11.42	0.00	11.42
11.90	70.00	0.00	70.00	14.50	11.21	0.00	11.21
11.95	85.44	0.00	85.44	14.55	11.00	0.00	11.00
12.00	111.86	0.00	111.86	14.60	10.78	0.00	10.78
12.05	147.53	0.00	147.53	14.65	10.56	0.00	10.56
12.10	198.54	0.00	198.54	14.70	10.34	0.00	10.34
12.15	242.47	0.00	242.47	14.75	10.13	0.00	10.13
12.20	222.57	0.00	222.57	14.80	9.92	0.00	9.92
12.25	167.81	0.00	167.81	14.85	9.71	0.00	9.71
12.30	126.85	0.00	126.85	14.90	9.49	0.00	9.49
12.35	101.37	0.00	101.37	14.95	9.27	0.00	9.27
12.40	83.55	0.00	83.55	15.00	9.04	0.00	9.04
12.45	70.83	0.00	70.83	15.05	8.83	0.00	8.83
12.50	63.54	0.00	63.54	15.10	8.62	0.00	8.62
12.55	58.82	0.00	58.82	15.15	8.42	0.00	8.42
12.60	51.80	0.00	51.80	15.20	8.29	0.00	8.29
12.65	44.20	0.00	44.20	15.25	8.19	0.00	8.19
12.70	39.40	0.00	39.40	15.30	8.11	0.00	8.11
12.75	36.71	0.00	36.71	15.35	8.05	0.00	8.05
12.80	34.71	0.00	34.71	15.40	8.00	0.00	8.00
12.85	33.04	0.00	33.04	15.45	7.95	0.00	7.95
12.90	31.45	0.00	31.45	15.50	7.89	0.00	7.89
12.95	29.94	0.00	29.94	15.55	7.83	0.00	7.83

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.77	0.00	7.77	18.20	4.80	0.00	4.80
15.65	7.72	0.00	7.72	18.25	4.78	0.00	4.78
15.70	7.66	0.00	7.66	18.30	4.76	0.00	4.76
15.75	7.60	0.00	7.60	18.35	4.75	0.00	4.75
15.80	7.54	0.00	7.54	18.40	4.73	0.00	4.73
15.85	7.48	0.00	7.48	18.45	4.72	0.00	4.72
15.90	7.43	0.00	7.43	18.50	4.70	0.00	4.70
15.95	7.38	0.00	7.38	18.55	4.69	0.00	4.69
16.00	7.32	0.00	7.32	18.60	4.67	0.00	4.67
16.05	7.26	0.00	7.26	18.65	4.66	0.00	4.66
16.10	7.20	0.00	7.20	18.70	4.65	0.00	4.65
16.15	7.15	0.00	7.15	18.75	4.63	0.00	4.63
16.20	7.10	0.00	7.10	18.80	4.62	0.00	4.62
16.25	7.04	0.00	7.04	18.85	4.60	0.00	4.60
16.30	6.98	0.00	6.98	18.90	4.59	0.00	4.59
16.35	6.91	0.00	6.91	18.95	4.57	0.00	4.57
16.40	6.86	0.00	6.86	19.00	4.56	0.00	4.56
16.45	6.81	0.00	6.81	19.05	4.55	0.00	4.55
16.50	6.75	0.00	6.75	19.10	4.53	0.00	4.53
16.55	6.68	0.00	6.68	19.15	4.52	0.00	4.52
16.60	6.63	0.00	6.63	19.20	4.50	0.00	4.50
16.65	6.58	0.00	6.58	19.25	4.49	0.00	4.49
16.70	6.52	0.00	6.52	19.30	4.47	0.00	4.47
16.75	6.47	0.00	6.47	19.35	4.46	0.00	4.46
16.80	6.40	0.00	6.40	19.40	4.45	0.00	4.45
16.85	6.34	0.00	6.34	19.45	4.43	0.00	4.43
16.90	6.28	0.00	6.28	19.50	4.42	0.00	4.42
16.95	6.23	0.00	6.23	19.55	4.40	0.00	4.40
17.00	6.18	0.00	6.18	19.60	4.39	0.00	4.39
17.05	6.12	0.00	6.12	19.65	4.37	0.00	4.37
17.10	6.06	0.00	6.06	19.70	4.36	0.00	4.36
17.15	6.01	0.00	6.01	19.75	4.35	0.00	4.35
17.20	5.95	0.00	5.95	19.80	4.34	0.00	4.34
17.25	5.89	0.00	5.89	19.85	4.33	0.00	4.33
17.30	5.82	0.00	5.82	19.90	4.32	0.00	4.32
17.35	5.76	0.00	5.76	19.95	4.30	0.00	4.30
17.40	5.70	0.00	5.70	20.00	4.28	0.00	4.28
17.45	5.65	0.00	5.65	20.05	4.26	0.00	4.26
17.50	5.59	0.00	5.59	20.10	4.24	0.00	4.24
17.55	5.54	0.00	5.54	20.15	4.23	0.00	4.23
17.60	5.48	0.00	5.48	20.20	4.22	0.00	4.22
17.65	5.42	0.00	5.42	20.25	4.20	0.00	4.20
17.70	5.36	0.00	5.36	20.30	4.19	0.00	4.19
17.75	5.31	0.00	5.31	20.35	4.17	0.00	4.17
17.80	5.25	0.00	5.25	20.40	4.16	0.00	4.16
17.85	5.19	0.00	5.19	20.45	4.14	0.00	4.14
17.90	5.13	0.00	5.13	20.50	4.13	0.00	4.13
17.95	5.07	0.00	5.07	20.55	4.11	0.00	4.11
18.00	5.01	0.00	5.01	20.60	4.11	0.00	4.11
18.05	4.95	0.00	4.95	20.65	4.10	0.00	4.10
18.10	4.89	0.00	4.89	20.70	4.09	0.00	4.09
18.15	4.84	0.00	4.84	20.75	4.06	0.00	4.06

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.04	0.00	4.04	23.40	3.29	0.00	3.29
20.85	4.03	0.00	4.03	23.45	3.28	0.00	3.28
20.90	4.01	0.00	4.01	23.50	3.26	0.00	3.26
20.95	4.00	0.00	4.00	23.55	3.24	0.00	3.24
21.00	3.98	0.00	3.98	23.60	3.22	0.00	3.22
21.05	3.97	0.00	3.97	23.65	3.21	0.00	3.21
21.10	3.95	0.00	3.95	23.70	3.20	0.00	3.20
21.15	3.94	0.00	3.94	23.75	3.19	0.00	3.19
21.20	3.92	0.00	3.92	23.80	3.18	0.00	3.18
21.25	3.91	0.00	3.91	23.85	3.15	0.00	3.15
21.30	3.90	0.00	3.90	23.90	3.13	0.00	3.13
21.35	3.90	0.00	3.90	23.95	3.16	0.00	3.16
21.40	3.88	0.00	3.88	24.00	3.34	0.00	3.34
21.45	3.86	0.00	3.86	24.05	3.40	0.00	3.40
21.50	3.84	0.00	3.84	24.10	2.54	0.00	2.54
21.55	3.82	0.00	3.82	24.15	1.30	0.00	1.30
21.60	3.81	0.00	3.81	24.20	0.57	0.00	0.57
21.65	3.79	0.00	3.79	24.25	0.25	0.00	0.25
21.70	3.78	0.00	3.78	24.30	0.11	0.00	0.11
21.75	3.77	0.00	3.77	24.35	0.04	0.00	0.04
21.80	3.76	0.00	3.76	24.40	0.02	0.00	0.02
21.85	3.75	0.00	3.75	24.45	0.00	0.00	0.00
21.90	3.74	0.00	3.74	24.50	0.00	0.00	0.00
21.95	3.71	0.00	3.71	24.55	0.00	0.00	0.00
22.00	3.69	0.00	3.69	24.60	0.00	0.00	0.00
22.05	3.68	0.00	3.68	24.65	0.00	0.00	0.00
22.10	3.66	0.00	3.66	24.70	0.00	0.00	0.00
22.15	3.65	0.00	3.65	24.75	0.00	0.00	0.00
22.20	3.64	0.00	3.64	24.80	0.00	0.00	0.00
22.25	3.63	0.00	3.63	24.85	0.00	0.00	0.00
22.30	3.62	0.00	3.62	24.90	0.00	0.00	0.00
22.35	3.60	0.00	3.60	24.95	0.00	0.00	0.00
22.40	3.58	0.00	3.58	25.00	0.00	0.00	0.00
22.45	3.56	0.00	3.56	25.05	0.00	0.00	0.00
22.50	3.54	0.00	3.54	25.10	0.00	0.00	0.00
22.55	3.53	0.00	3.53	25.15	0.00	0.00	0.00
22.60	3.52	0.00	3.52	25.20	0.00	0.00	0.00
22.65	3.52	0.00	3.52	25.25	0.00	0.00	0.00
22.70	3.50	0.00	3.50	25.30	0.00	0.00	0.00
22.75	3.48	0.00	3.48	25.35	0.00	0.00	0.00
22.80	3.46	0.00	3.46	25.40	0.00	0.00	0.00
22.85	3.44	0.00	3.44	25.45	0.00	0.00	0.00
22.90	3.43	0.00	3.43	25.50	0.00	0.00	0.00
22.95	3.41	0.00	3.41	25.55	0.00	0.00	0.00
23.00	3.41	0.00	3.41	25.60	0.00	0.00	0.00
23.05	3.40	0.00	3.40	25.65	0.00	0.00	0.00
23.10	3.38	0.00	3.38	25.70	0.00	0.00	0.00
23.15	3.36	0.00	3.36	25.75	0.00	0.00	0.00
23.20	3.34	0.00	3.34	25.80	0.00	0.00	0.00
23.25	3.32	0.00	3.32	25.85	0.00	0.00	0.00
23.30	3.31	0.00	3.31	25.90	0.00	0.00	0.00
23.35	3.30	0.00	3.30	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-10: XDA-10 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

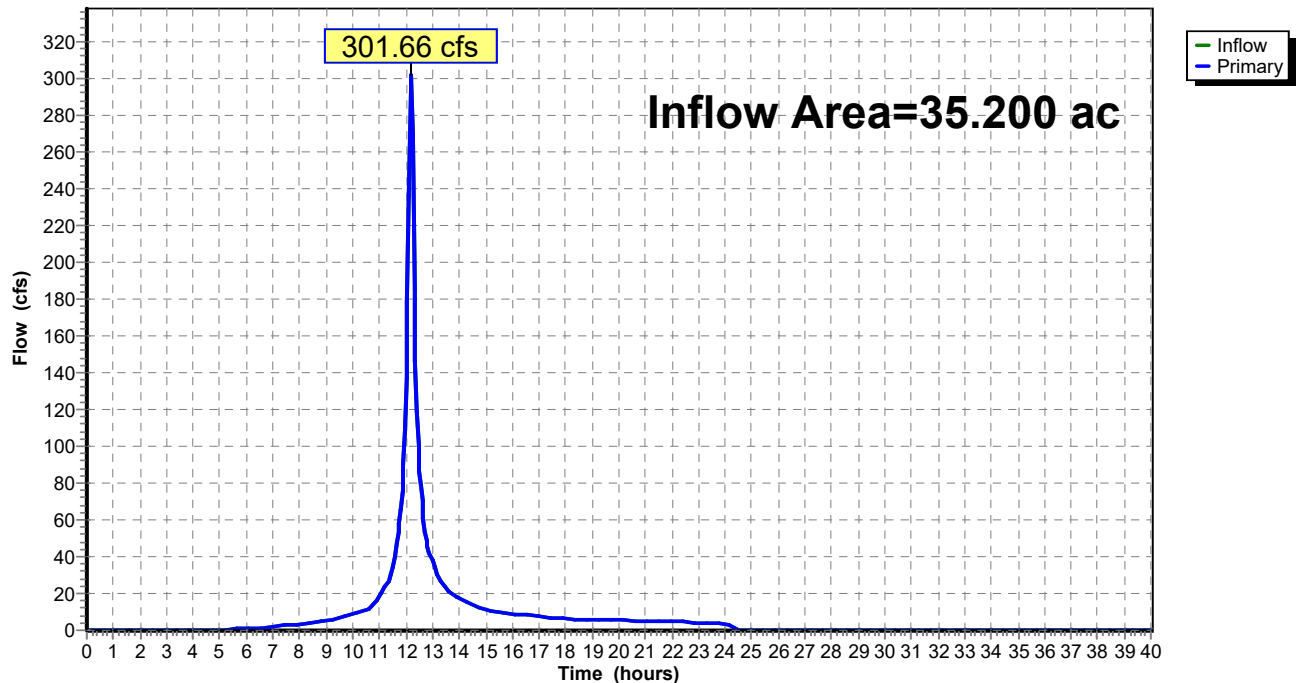
Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 8.12" for Future 100 yr event
 Inflow = 301.66 cfs @ 12.18 hrs, Volume= 23.819 af
 Primary = 301.66 cfs @ 12.18 hrs, Volume= 23.819 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2

Hydrograph



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.01	0.00	0.01
1.95	0.00	0.00	0.00	4.55	0.03	0.00	0.03
2.00	0.00	0.00	0.00	4.60	0.05	0.00	0.05
2.05	0.00	0.00	0.00	4.65	0.08	0.00	0.08
2.10	0.00	0.00	0.00	4.70	0.11	0.00	0.11
2.15	0.00	0.00	0.00	4.75	0.14	0.00	0.14
2.20	0.00	0.00	0.00	4.80	0.17	0.00	0.17
2.25	0.00	0.00	0.00	4.85	0.20	0.00	0.20
2.30	0.00	0.00	0.00	4.90	0.23	0.00	0.23
2.35	0.00	0.00	0.00	4.95	0.26	0.00	0.26
2.40	0.00	0.00	0.00	5.00	0.30	0.00	0.30
2.45	0.00	0.00	0.00	5.05	0.33	0.00	0.33
2.50	0.00	0.00	0.00	5.10	0.36	0.00	0.36
2.55	0.00	0.00	0.00	5.15	0.39	0.00	0.39

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.42	0.00	0.42	7.80	2.85	0.00	2.85
5.25	0.45	0.00	0.45	7.85	2.91	0.00	2.91
5.30	0.48	0.00	0.48	7.90	2.98	0.00	2.98
5.35	0.51	0.00	0.51	7.95	3.05	0.00	3.05
5.40	0.55	0.00	0.55	8.00	3.13	0.00	3.13
5.45	0.58	0.00	0.58	8.05	3.20	0.00	3.20
5.50	0.61	0.00	0.61	8.10	3.27	0.00	3.27
5.55	0.64	0.00	0.64	8.15	3.34	0.00	3.34
5.60	0.67	0.00	0.67	8.20	3.41	0.00	3.41
5.65	0.70	0.00	0.70	8.25	3.48	0.00	3.48
5.70	0.74	0.00	0.74	8.30	3.56	0.00	3.56
5.75	0.77	0.00	0.77	8.35	3.63	0.00	3.63
5.80	0.80	0.00	0.80	8.40	3.70	0.00	3.70
5.85	0.83	0.00	0.83	8.45	3.77	0.00	3.77
5.90	0.86	0.00	0.86	8.50	3.85	0.00	3.85
5.95	0.90	0.00	0.90	8.55	3.93	0.00	3.93
6.00	0.93	0.00	0.93	8.60	4.01	0.00	4.01
6.05	0.96	0.00	0.96	8.65	4.08	0.00	4.08
6.10	1.00	0.00	1.00	8.70	4.16	0.00	4.16
6.15	1.03	0.00	1.03	8.75	4.24	0.00	4.24
6.20	1.08	0.00	1.08	8.80	4.32	0.00	4.32
6.25	1.12	0.00	1.12	8.85	4.40	0.00	4.40
6.30	1.16	0.00	1.16	8.90	4.47	0.00	4.47
6.35	1.21	0.00	1.21	8.95	4.55	0.00	4.55
6.40	1.25	0.00	1.25	9.00	4.64	0.00	4.64
6.45	1.30	0.00	1.30	9.05	4.73	0.00	4.73
6.50	1.35	0.00	1.35	9.10	4.85	0.00	4.85
6.55	1.40	0.00	1.40	9.15	4.99	0.00	4.99
6.60	1.44	0.00	1.44	9.20	5.15	0.00	5.15
6.65	1.49	0.00	1.49	9.25	5.33	0.00	5.33
6.70	1.54	0.00	1.54	9.30	5.52	0.00	5.52
6.75	1.60	0.00	1.60	9.35	5.71	0.00	5.71
6.80	1.65	0.00	1.65	9.40	5.91	0.00	5.91
6.85	1.70	0.00	1.70	9.45	6.10	0.00	6.10
6.90	1.75	0.00	1.75	9.50	6.30	0.00	6.30
6.95	1.81	0.00	1.81	9.55	6.50	0.00	6.50
7.00	1.86	0.00	1.86	9.60	6.71	0.00	6.71
7.05	1.92	0.00	1.92	9.65	6.93	0.00	6.93
7.10	1.98	0.00	1.98	9.70	7.14	0.00	7.14
7.15	2.04	0.00	2.04	9.75	7.35	0.00	7.35
7.20	2.10	0.00	2.10	9.80	7.57	0.00	7.57
7.25	2.15	0.00	2.15	9.85	7.79	0.00	7.79
7.30	2.21	0.00	2.21	9.90	8.02	0.00	8.02
7.35	2.27	0.00	2.27	9.95	8.26	0.00	8.26
7.40	2.33	0.00	2.33	10.00	8.50	0.00	8.50
7.45	2.39	0.00	2.39	10.05	8.73	0.00	8.73
7.50	2.46	0.00	2.46	10.10	8.96	0.00	8.96
7.55	2.52	0.00	2.52	10.15	9.20	0.00	9.20
7.60	2.59	0.00	2.59	10.20	9.45	0.00	9.45
7.65	2.65	0.00	2.65	10.25	9.71	0.00	9.71
7.70	2.71	0.00	2.71	10.30	9.96	0.00	9.96
7.75	2.78	0.00	2.78	10.35	10.21	0.00	10.21

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	10.47	0.00	10.47	13.00	36.80	0.00	36.80
10.45	10.72	0.00	10.72	13.05	34.86	0.00	34.86
10.50	10.99	0.00	10.99	13.10	32.93	0.00	32.93
10.55	11.30	0.00	11.30	13.15	31.09	0.00	31.09
10.60	11.75	0.00	11.75	13.20	29.49	0.00	29.49
10.65	12.35	0.00	12.35	13.25	28.18	0.00	28.18
10.70	13.05	0.00	13.05	13.30	27.00	0.00	27.00
10.75	13.80	0.00	13.80	13.35	25.90	0.00	25.90
10.80	14.59	0.00	14.59	13.40	24.84	0.00	24.84
10.85	15.42	0.00	15.42	13.45	23.80	0.00	23.80
10.90	16.26	0.00	16.26	13.50	22.75	0.00	22.75
10.95	17.11	0.00	17.11	13.55	21.73	0.00	21.73
11.00	17.98	0.00	17.98	13.60	20.69	0.00	20.69
11.05	18.90	0.00	18.90	13.65	19.71	0.00	19.71
11.10	20.05	0.00	20.05	13.70	18.94	0.00	18.94
11.15	21.41	0.00	21.41	13.75	18.42	0.00	18.42
11.20	22.92	0.00	22.92	13.80	18.02	0.00	18.02
11.25	24.49	0.00	24.49	13.85	17.69	0.00	17.69
11.30	26.13	0.00	26.13	13.90	17.40	0.00	17.40
11.35	27.80	0.00	27.80	13.95	17.13	0.00	17.13
11.40	29.54	0.00	29.54	14.00	16.85	0.00	16.85
11.45	31.29	0.00	31.29	14.05	16.58	0.00	16.58
11.50	32.99	0.00	32.99	14.10	16.30	0.00	16.30
11.55	35.14	0.00	35.14	14.15	16.03	0.00	16.03
11.60	40.00	0.00	40.00	14.20	15.77	0.00	15.77
11.65	47.14	0.00	47.14	14.25	15.51	0.00	15.51
11.70	53.43	0.00	53.43	14.30	15.24	0.00	15.24
11.75	58.46	0.00	58.46	14.35	14.96	0.00	14.96
11.80	65.63	0.00	65.63	14.40	14.69	0.00	14.69
11.85	75.87	0.00	75.87	14.45	14.42	0.00	14.42
11.90	89.59	0.00	89.59	14.50	14.15	0.00	14.15
11.95	107.56	0.00	107.56	14.55	13.89	0.00	13.89
12.00	136.61	0.00	136.61	14.60	13.62	0.00	13.62
12.05	178.10	0.00	178.10	14.65	13.34	0.00	13.34
12.10	235.84	0.00	235.84	14.70	13.06	0.00	13.06
12.15	293.51	0.00	293.51	14.75	12.79	0.00	12.79
12.20	295.75	0.00	295.75	14.80	12.52	0.00	12.52
12.25	242.15	0.00	242.15	14.85	12.26	0.00	12.26
12.30	185.44	0.00	185.44	14.90	11.99	0.00	11.99
12.35	146.61	0.00	146.61	14.95	11.71	0.00	11.71
12.40	119.39	0.00	119.39	15.00	11.43	0.00	11.43
12.45	99.77	0.00	99.77	15.05	11.16	0.00	11.16
12.50	86.98	0.00	86.98	15.10	10.89	0.00	10.89
12.55	79.00	0.00	79.00	15.15	10.64	0.00	10.64
12.60	70.46	0.00	70.46	15.20	10.44	0.00	10.44
12.65	60.60	0.00	60.60	15.25	10.29	0.00	10.29
12.70	53.04	0.00	53.04	15.30	10.18	0.00	10.18
12.75	48.53	0.00	48.53	15.35	10.09	0.00	10.09
12.80	45.43	0.00	45.43	15.40	10.02	0.00	10.02
12.85	42.98	0.00	42.98	15.45	9.95	0.00	9.95
12.90	40.81	0.00	40.81	15.50	9.88	0.00	9.88
12.95	38.79	0.00	38.79	15.55	9.80	0.00	9.80

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	9.73	0.00	9.73	18.20	5.99	0.00	5.99
15.65	9.66	0.00	9.66	18.25	5.96	0.00	5.96
15.70	9.59	0.00	9.59	18.30	5.93	0.00	5.93
15.75	9.51	0.00	9.51	18.35	5.91	0.00	5.91
15.80	9.43	0.00	9.43	18.40	5.89	0.00	5.89
15.85	9.36	0.00	9.36	18.45	5.87	0.00	5.87
15.90	9.29	0.00	9.29	18.50	5.85	0.00	5.85
15.95	9.23	0.00	9.23	18.55	5.83	0.00	5.83
16.00	9.16	0.00	9.16	18.60	5.81	0.00	5.81
16.05	9.08	0.00	9.08	18.65	5.79	0.00	5.79
16.10	9.01	0.00	9.01	18.70	5.78	0.00	5.78
16.15	8.94	0.00	8.94	18.75	5.76	0.00	5.76
16.20	8.88	0.00	8.88	18.80	5.74	0.00	5.74
16.25	8.81	0.00	8.81	18.85	5.72	0.00	5.72
16.30	8.73	0.00	8.73	18.90	5.70	0.00	5.70
16.35	8.65	0.00	8.65	18.95	5.69	0.00	5.69
16.40	8.57	0.00	8.57	19.00	5.67	0.00	5.67
16.45	8.51	0.00	8.51	19.05	5.65	0.00	5.65
16.50	8.44	0.00	8.44	19.10	5.63	0.00	5.63
16.55	8.36	0.00	8.36	19.15	5.61	0.00	5.61
16.60	8.28	0.00	8.28	19.20	5.60	0.00	5.60
16.65	8.22	0.00	8.22	19.25	5.58	0.00	5.58
16.70	8.15	0.00	8.15	19.30	5.56	0.00	5.56
16.75	8.08	0.00	8.08	19.35	5.54	0.00	5.54
16.80	8.00	0.00	8.00	19.40	5.52	0.00	5.52
16.85	7.92	0.00	7.92	19.45	5.50	0.00	5.50
16.90	7.85	0.00	7.85	19.50	5.49	0.00	5.49
16.95	7.78	0.00	7.78	19.55	5.47	0.00	5.47
17.00	7.72	0.00	7.72	19.60	5.45	0.00	5.45
17.05	7.65	0.00	7.65	19.65	5.43	0.00	5.43
17.10	7.58	0.00	7.58	19.70	5.41	0.00	5.41
17.15	7.50	0.00	7.50	19.75	5.40	0.00	5.40
17.20	7.43	0.00	7.43	19.80	5.39	0.00	5.39
17.25	7.36	0.00	7.36	19.85	5.38	0.00	5.38
17.30	7.28	0.00	7.28	19.90	5.36	0.00	5.36
17.35	7.20	0.00	7.20	19.95	5.34	0.00	5.34
17.40	7.12	0.00	7.12	20.00	5.31	0.00	5.31
17.45	7.05	0.00	7.05	20.05	5.29	0.00	5.29
17.50	6.99	0.00	6.99	20.10	5.27	0.00	5.27
17.55	6.92	0.00	6.92	20.15	5.25	0.00	5.25
17.60	6.85	0.00	6.85	20.20	5.23	0.00	5.23
17.65	6.77	0.00	6.77	20.25	5.21	0.00	5.21
17.70	6.70	0.00	6.70	20.30	5.20	0.00	5.20
17.75	6.63	0.00	6.63	20.35	5.18	0.00	5.18
17.80	6.55	0.00	6.55	20.40	5.16	0.00	5.16
17.85	6.48	0.00	6.48	20.45	5.14	0.00	5.14
17.90	6.41	0.00	6.41	20.50	5.12	0.00	5.12
17.95	6.33	0.00	6.33	20.55	5.11	0.00	5.11
18.00	6.26	0.00	6.26	20.60	5.09	0.00	5.09
18.05	6.19	0.00	6.19	20.65	5.09	0.00	5.09
18.10	6.11	0.00	6.11	20.70	5.07	0.00	5.07
18.15	6.05	0.00	6.05	20.75	5.05	0.00	5.05

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.02	0.00	5.02	23.40	4.07	0.00	4.07
20.85	5.00	0.00	5.00	23.45	4.06	0.00	4.06
20.90	4.98	0.00	4.98	23.50	4.04	0.00	4.04
20.95	4.96	0.00	4.96	23.55	4.02	0.00	4.02
21.00	4.94	0.00	4.94	23.60	3.99	0.00	3.99
21.05	4.92	0.00	4.92	23.65	3.97	0.00	3.97
21.10	4.90	0.00	4.90	23.70	3.96	0.00	3.96
21.15	4.89	0.00	4.89	23.75	3.95	0.00	3.95
21.20	4.87	0.00	4.87	23.80	3.93	0.00	3.93
21.25	4.85	0.00	4.85	23.85	3.91	0.00	3.91
21.30	4.84	0.00	4.84	23.90	3.88	0.00	3.88
21.35	4.83	0.00	4.83	23.95	3.89	0.00	3.89
21.40	4.81	0.00	4.81	24.00	4.04	0.00	4.04
21.45	4.79	0.00	4.79	24.05	4.17	0.00	4.17
21.50	4.77	0.00	4.77	24.10	3.53	0.00	3.53
21.55	4.74	0.00	4.74	24.15	2.20	0.00	2.20
21.60	4.72	0.00	4.72	24.20	1.11	0.00	1.11
21.65	4.70	0.00	4.70	24.25	0.55	0.00	0.55
21.70	4.69	0.00	4.69	24.30	0.27	0.00	0.27
21.75	4.67	0.00	4.67	24.35	0.13	0.00	0.13
21.80	4.66	0.00	4.66	24.40	0.06	0.00	0.06
21.85	4.65	0.00	4.65	24.45	0.03	0.00	0.03
21.90	4.63	0.00	4.63	24.50	0.01	0.00	0.01
21.95	4.61	0.00	4.61	24.55	0.00	0.00	0.00
22.00	4.58	0.00	4.58	24.60	0.00	0.00	0.00
22.05	4.56	0.00	4.56	24.65	0.00	0.00	0.00
22.10	4.54	0.00	4.54	24.70	0.00	0.00	0.00
22.15	4.52	0.00	4.52	24.75	0.00	0.00	0.00
22.20	4.51	0.00	4.51	24.80	0.00	0.00	0.00
22.25	4.50	0.00	4.50	24.85	0.00	0.00	0.00
22.30	4.49	0.00	4.49	24.90	0.00	0.00	0.00
22.35	4.46	0.00	4.46	24.95	0.00	0.00	0.00
22.40	4.44	0.00	4.44	25.00	0.00	0.00	0.00
22.45	4.41	0.00	4.41	25.05	0.00	0.00	0.00
22.50	4.39	0.00	4.39	25.10	0.00	0.00	0.00
22.55	4.38	0.00	4.38	25.15	0.00	0.00	0.00
22.60	4.36	0.00	4.36	25.20	0.00	0.00	0.00
22.65	4.35	0.00	4.35	25.25	0.00	0.00	0.00
22.70	4.34	0.00	4.34	25.30	0.00	0.00	0.00
22.75	4.31	0.00	4.31	25.35	0.00	0.00	0.00
22.80	4.29	0.00	4.29	25.40	0.00	0.00	0.00
22.85	4.27	0.00	4.27	25.45	0.00	0.00	0.00
22.90	4.25	0.00	4.25	25.50	0.00	0.00	0.00
22.95	4.23	0.00	4.23	25.55	0.00	0.00	0.00
23.00	4.22	0.00	4.22	25.60	0.00	0.00	0.00
23.05	4.21	0.00	4.21	25.65	0.00	0.00	0.00
23.10	4.19	0.00	4.19	25.70	0.00	0.00	0.00
23.15	4.17	0.00	4.17	25.75	0.00	0.00	0.00
23.20	4.14	0.00	4.14	25.80	0.00	0.00	0.00
23.25	4.12	0.00	4.12	25.85	0.00	0.00	0.00
23.30	4.10	0.00	4.10	25.90	0.00	0.00	0.00
23.35	4.08	0.00	4.08	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

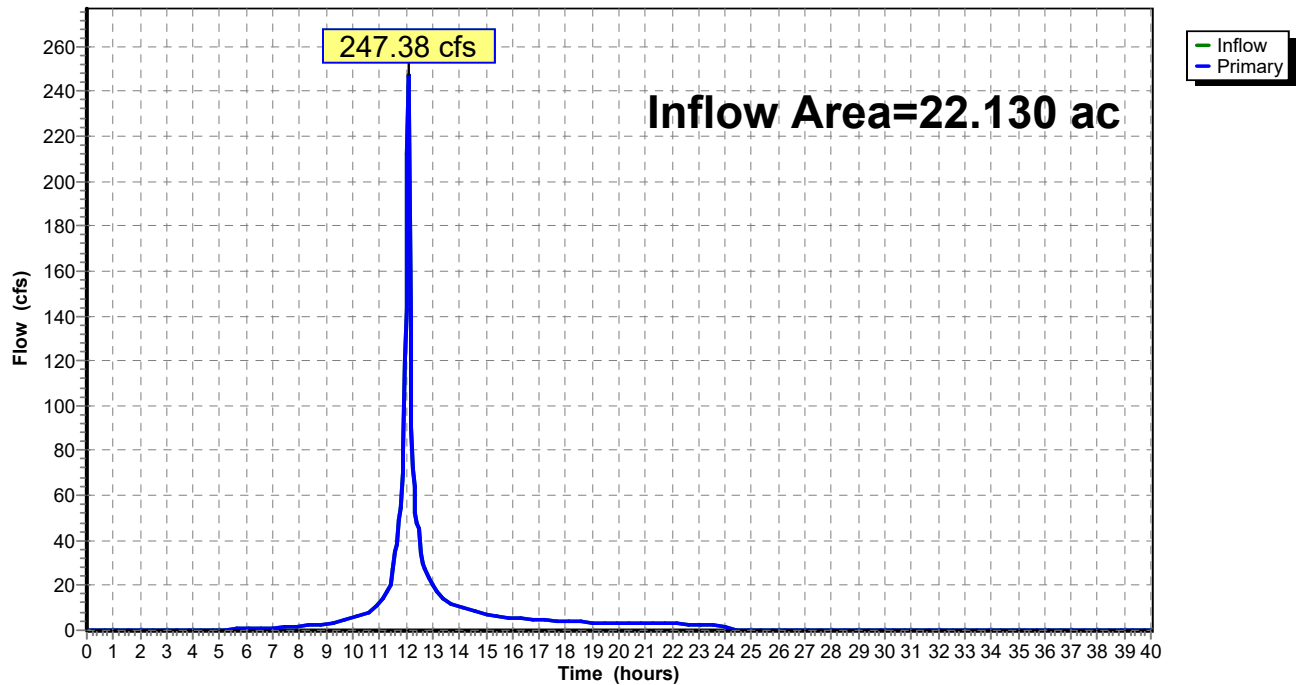
Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 7.99" for Future 100 yr event
 Inflow = 247.38 cfs @ 12.09 hrs, Volume= 14.727 af
 Primary = 247.38 cfs @ 12.09 hrs, Volume= 14.727 af, Atten= 0%, Lag= 0.0 min
 Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3

Hydrograph



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.03	0.00	0.03
2.15	0.00	0.00	0.00	4.75	0.05	0.00	0.05
2.20	0.00	0.00	0.00	4.80	0.07	0.00	0.07
2.25	0.00	0.00	0.00	4.85	0.09	0.00	0.09
2.30	0.00	0.00	0.00	4.90	0.11	0.00	0.11
2.35	0.00	0.00	0.00	4.95	0.13	0.00	0.13
2.40	0.00	0.00	0.00	5.00	0.15	0.00	0.15
2.45	0.00	0.00	0.00	5.05	0.17	0.00	0.17
2.50	0.00	0.00	0.00	5.10	0.18	0.00	0.18
2.55	0.00	0.00	0.00	5.15	0.20	0.00	0.20

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.22	0.00	0.22	7.80	1.74	0.00	1.74
5.25	0.24	0.00	0.24	7.85	1.79	0.00	1.79
5.30	0.26	0.00	0.26	7.90	1.83	0.00	1.83
5.35	0.28	0.00	0.28	7.95	1.88	0.00	1.88
5.40	0.30	0.00	0.30	8.00	1.92	0.00	1.92
5.45	0.32	0.00	0.32	8.05	1.96	0.00	1.96
5.50	0.34	0.00	0.34	8.10	2.00	0.00	2.00
5.55	0.36	0.00	0.36	8.15	2.06	0.00	2.06
5.60	0.38	0.00	0.38	8.20	2.10	0.00	2.10
5.65	0.40	0.00	0.40	8.25	2.14	0.00	2.14
5.70	0.42	0.00	0.42	8.30	2.18	0.00	2.18
5.75	0.44	0.00	0.44	8.35	2.23	0.00	2.23
5.80	0.45	0.00	0.45	8.40	2.27	0.00	2.27
5.85	0.47	0.00	0.47	8.45	2.33	0.00	2.33
5.90	0.49	0.00	0.49	8.50	2.38	0.00	2.38
5.95	0.51	0.00	0.51	8.55	2.42	0.00	2.42
6.00	0.53	0.00	0.53	8.60	2.46	0.00	2.46
6.05	0.56	0.00	0.56	8.65	2.52	0.00	2.52
6.10	0.58	0.00	0.58	8.70	2.57	0.00	2.57
6.15	0.61	0.00	0.61	8.75	2.62	0.00	2.62
6.20	0.64	0.00	0.64	8.80	2.66	0.00	2.66
6.25	0.67	0.00	0.67	8.85	2.71	0.00	2.71
6.30	0.69	0.00	0.69	8.90	2.76	0.00	2.76
6.35	0.72	0.00	0.72	8.95	2.82	0.00	2.82
6.40	0.75	0.00	0.75	9.00	2.87	0.00	2.87
6.45	0.78	0.00	0.78	9.05	3.00	0.00	3.00
6.50	0.81	0.00	0.81	9.10	3.08	0.00	3.08
6.55	0.84	0.00	0.84	9.15	3.22	0.00	3.22
6.60	0.87	0.00	0.87	9.20	3.30	0.00	3.30
6.65	0.90	0.00	0.90	9.25	3.46	0.00	3.46
6.70	0.93	0.00	0.93	9.30	3.55	0.00	3.55
6.75	0.96	0.00	0.96	9.35	3.69	0.00	3.69
6.80	0.99	0.00	0.99	9.40	3.78	0.00	3.78
6.85	1.03	0.00	1.03	9.45	3.94	0.00	3.94
6.90	1.06	0.00	1.06	9.50	4.04	0.00	4.04
6.95	1.10	0.00	1.10	9.55	4.20	0.00	4.20
7.00	1.13	0.00	1.13	9.60	4.31	0.00	4.31
7.05	1.17	0.00	1.17	9.65	4.47	0.00	4.47
7.10	1.20	0.00	1.20	9.70	4.57	0.00	4.57
7.15	1.24	0.00	1.24	9.75	4.74	0.00	4.74
7.20	1.27	0.00	1.27	9.80	4.84	0.00	4.84
7.25	1.31	0.00	1.31	9.85	5.03	0.00	5.03
7.30	1.34	0.00	1.34	9.90	5.14	0.00	5.14
7.35	1.39	0.00	1.39	9.95	5.31	0.00	5.31
7.40	1.42	0.00	1.42	10.00	5.42	0.00	5.42
7.45	1.47	0.00	1.47	10.05	5.61	0.00	5.61
7.50	1.50	0.00	1.50	10.10	5.73	0.00	5.73
7.55	1.54	0.00	1.54	10.15	5.93	0.00	5.93
7.60	1.57	0.00	1.57	10.20	6.05	0.00	6.05
7.65	1.63	0.00	1.63	10.25	6.23	0.00	6.23
7.70	1.66	0.00	1.66	10.30	6.35	0.00	6.35
7.75	1.71	0.00	1.71	10.35	6.55	0.00	6.55

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.68	0.00	6.68	13.00	20.29	0.00	20.29
10.45	6.89	0.00	6.89	13.05	18.65	0.00	18.65
10.50	7.04	0.00	7.04	13.10	17.93	0.00	17.93
10.55	7.64	0.00	7.64	13.15	17.03	0.00	17.03
10.60	7.97	0.00	7.97	13.20	16.62	0.00	16.62
10.65	8.60	0.00	8.60	13.25	15.75	0.00	15.75
10.70	8.95	0.00	8.95	13.30	15.35	0.00	15.35
10.75	9.62	0.00	9.62	13.35	14.46	0.00	14.46
10.80	9.98	0.00	9.98	13.40	14.05	0.00	14.05
10.85	10.67	0.00	10.67	13.45	13.18	0.00	13.18
10.90	11.05	0.00	11.05	13.50	12.77	0.00	12.77
10.95	11.76	0.00	11.76	13.55	11.89	0.00	11.89
11.00	12.19	0.00	12.19	13.60	11.51	0.00	11.51
11.05	13.44	0.00	13.44	13.65	11.25	0.00	11.25
11.10	14.12	0.00	14.12	13.70	11.14	0.00	11.14
11.15	15.44	0.00	15.44	13.75	10.91	0.00	10.91
11.20	16.17	0.00	16.17	13.80	10.81	0.00	10.81
11.25	17.53	0.00	17.53	13.85	10.59	0.00	10.59
11.30	18.29	0.00	18.29	13.90	10.49	0.00	10.49
11.35	19.73	0.00	19.73	13.95	10.25	0.00	10.25
11.40	20.52	0.00	20.52	14.00	10.14	0.00	10.14
11.45	21.71	0.00	21.71	14.05	9.91	0.00	9.91
11.50	22.68	0.00	22.68	14.10	9.80	0.00	9.80
11.55	31.28	0.00	31.28	14.15	9.59	0.00	9.59
11.60	35.47	0.00	35.47	14.20	9.49	0.00	9.49
11.65	37.48	0.00	37.48	14.25	9.24	0.00	9.24
11.70	38.92	0.00	38.92	14.30	9.13	0.00	9.13
11.75	49.26	0.00	49.26	14.35	8.90	0.00	8.90
11.80	54.88	0.00	54.88	14.40	8.79	0.00	8.79
11.85	70.44	0.00	70.44	14.45	8.58	0.00	8.58
11.90	79.60	0.00	79.60	14.50	8.48	0.00	8.48
11.95	120.35	0.00	120.35	14.55	8.23	0.00	8.23
12.00	142.79	0.00	142.79	14.60	8.12	0.00	8.12
12.05	212.29	0.00	212.29	14.65	7.88	0.00	7.88
12.10	242.30	0.00	242.30	14.70	7.78	0.00	7.78
12.15	138.48	0.00	138.48	14.75	7.56	0.00	7.56
12.20	90.75	0.00	90.75	14.80	7.46	0.00	7.46
12.25	71.78	0.00	71.78	14.85	7.21	0.00	7.21
12.30	64.31	0.00	64.31	14.90	7.10	0.00	7.10
12.35	52.47	0.00	52.47	14.95	6.86	0.00	6.86
12.40	47.44	0.00	47.44	15.00	6.76	0.00	6.76
12.45	45.68	0.00	45.68	15.05	6.54	0.00	6.54
12.50	44.68	0.00	44.68	15.10	6.44	0.00	6.44
12.55	34.11	0.00	34.11	15.15	6.36	0.00	6.36
12.60	29.43	0.00	29.43	15.20	6.33	0.00	6.33
12.65	27.96	0.00	27.96	15.25	6.27	0.00	6.27
12.70	27.39	0.00	27.39	15.30	6.24	0.00	6.24
12.75	25.78	0.00	25.78	15.35	6.19	0.00	6.19
12.80	25.04	0.00	25.04	15.40	6.17	0.00	6.17
12.85	23.42	0.00	23.42	15.45	6.09	0.00	6.09
12.90	22.68	0.00	22.68	15.50	6.06	0.00	6.06
12.95	21.04	0.00	21.04	15.55	6.01	0.00	6.01

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.99	0.00	5.99	18.20	3.70	0.00	3.70
15.65	5.92	0.00	5.92	18.25	3.68	0.00	3.68
15.70	5.88	0.00	5.88	18.30	3.68	0.00	3.68
15.75	5.82	0.00	5.82	18.35	3.66	0.00	3.66
15.80	5.79	0.00	5.79	18.40	3.65	0.00	3.65
15.85	5.74	0.00	5.74	18.45	3.64	0.00	3.64
15.90	5.72	0.00	5.72	18.50	3.63	0.00	3.63
15.95	5.65	0.00	5.65	18.55	3.62	0.00	3.62
16.00	5.61	0.00	5.61	18.60	3.61	0.00	3.61
16.05	5.56	0.00	5.56	18.65	3.59	0.00	3.59
16.10	5.54	0.00	5.54	18.70	3.59	0.00	3.59
16.15	5.48	0.00	5.48	18.75	3.57	0.00	3.57
16.20	5.45	0.00	5.45	18.80	3.56	0.00	3.56
16.25	5.37	0.00	5.37	18.85	3.55	0.00	3.55
16.30	5.34	0.00	5.34	18.90	3.54	0.00	3.54
16.35	5.29	0.00	5.29	18.95	3.53	0.00	3.53
16.40	5.27	0.00	5.27	19.00	3.52	0.00	3.52
16.45	5.19	0.00	5.19	19.05	3.50	0.00	3.50
16.50	5.16	0.00	5.16	19.10	3.50	0.00	3.50
16.55	5.11	0.00	5.11	19.15	3.48	0.00	3.48
16.60	5.09	0.00	5.09	19.20	3.47	0.00	3.47
16.65	5.03	0.00	5.03	19.25	3.46	0.00	3.46
16.70	5.00	0.00	5.00	19.30	3.45	0.00	3.45
16.75	4.92	0.00	4.92	19.35	3.44	0.00	3.44
16.80	4.89	0.00	4.89	19.40	3.43	0.00	3.43
16.85	4.84	0.00	4.84	19.45	3.41	0.00	3.41
16.90	4.82	0.00	4.82	19.50	3.41	0.00	3.41
16.95	4.75	0.00	4.75	19.55	3.39	0.00	3.39
17.00	4.73	0.00	4.73	19.60	3.38	0.00	3.38
17.05	4.66	0.00	4.66	19.65	3.37	0.00	3.37
17.10	4.64	0.00	4.64	19.70	3.36	0.00	3.36
17.15	4.57	0.00	4.57	19.75	3.36	0.00	3.36
17.20	4.54	0.00	4.54	19.80	3.36	0.00	3.36
17.25	4.47	0.00	4.47	19.85	3.33	0.00	3.33
17.30	4.43	0.00	4.43	19.90	3.32	0.00	3.32
17.35	4.38	0.00	4.38	19.95	3.30	0.00	3.30
17.40	4.36	0.00	4.36	20.00	3.29	0.00	3.29
17.45	4.30	0.00	4.30	20.05	3.28	0.00	3.28
17.50	4.27	0.00	4.27	20.10	3.27	0.00	3.27
17.55	4.21	0.00	4.21	20.15	3.25	0.00	3.25
17.60	4.18	0.00	4.18	20.20	3.25	0.00	3.25
17.65	4.12	0.00	4.12	20.25	3.23	0.00	3.23
17.70	4.09	0.00	4.09	20.30	3.22	0.00	3.22
17.75	4.02	0.00	4.02	20.35	3.21	0.00	3.21
17.80	4.00	0.00	4.00	20.40	3.20	0.00	3.20
17.85	3.93	0.00	3.93	20.45	3.19	0.00	3.19
17.90	3.90	0.00	3.90	20.50	3.18	0.00	3.18
17.95	3.84	0.00	3.84	20.55	3.18	0.00	3.18
18.00	3.81	0.00	3.81	20.60	3.18	0.00	3.18
18.05	3.75	0.00	3.75	20.65	3.15	0.00	3.15
18.10	3.72	0.00	3.72	20.70	3.13	0.00	3.13
18.15	3.71	0.00	3.71	20.75	3.12	0.00	3.12

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.11	0.00	3.11	23.40	2.54	0.00	2.54
20.85	3.09	0.00	3.09	23.45	2.51	0.00	2.51
20.90	3.09	0.00	3.09	23.50	2.49	0.00	2.49
20.95	3.07	0.00	3.07	23.55	2.48	0.00	2.48
21.00	3.06	0.00	3.06	23.60	2.47	0.00	2.47
21.05	3.05	0.00	3.05	23.65	2.47	0.00	2.47
21.10	3.04	0.00	3.04	23.70	2.47	0.00	2.47
21.15	3.03	0.00	3.03	23.75	2.44	0.00	2.44
21.20	3.02	0.00	3.02	23.80	2.42	0.00	2.42
21.25	3.02	0.00	3.02	23.85	2.41	0.00	2.41
21.30	3.02	0.00	3.02	23.90	2.42	0.00	2.42
21.35	2.99	0.00	2.99	23.95	2.80	0.00	2.80
21.40	2.97	0.00	2.97	24.00	2.90	0.00	2.90
21.45	2.96	0.00	2.96	24.05	0.93	0.00	0.93
21.50	2.95	0.00	2.95	24.10	0.05	0.00	0.05
21.55	2.93	0.00	2.93	24.15	0.00	0.00	0.00
21.60	2.93	0.00	2.93	24.20	0.00	0.00	0.00
21.65	2.91	0.00	2.91	24.25	0.00	0.00	0.00
21.70	2.91	0.00	2.91	24.30	0.00	0.00	0.00
21.75	2.91	0.00	2.91	24.35	0.00	0.00	0.00
21.80	2.90	0.00	2.90	24.40	0.00	0.00	0.00
21.85	2.87	0.00	2.87	24.45	0.00	0.00	0.00
21.90	2.86	0.00	2.86	24.50	0.00	0.00	0.00
21.95	2.84	0.00	2.84	24.55	0.00	0.00	0.00
22.00	2.84	0.00	2.84	24.60	0.00	0.00	0.00
22.05	2.82	0.00	2.82	24.65	0.00	0.00	0.00
22.10	2.81	0.00	2.81	24.70	0.00	0.00	0.00
22.15	2.81	0.00	2.81	24.75	0.00	0.00	0.00
22.20	2.81	0.00	2.81	24.80	0.00	0.00	0.00
22.25	2.78	0.00	2.78	24.85	0.00	0.00	0.00
22.30	2.77	0.00	2.77	24.90	0.00	0.00	0.00
22.35	2.75	0.00	2.75	24.95	0.00	0.00	0.00
22.40	2.74	0.00	2.74	25.00	0.00	0.00	0.00
22.45	2.73	0.00	2.73	25.05	0.00	0.00	0.00
22.50	2.72	0.00	2.72	25.10	0.00	0.00	0.00
22.55	2.72	0.00	2.72	25.15	0.00	0.00	0.00
22.60	2.72	0.00	2.72	25.20	0.00	0.00	0.00
22.65	2.69	0.00	2.69	25.25	0.00	0.00	0.00
22.70	2.68	0.00	2.68	25.30	0.00	0.00	0.00
22.75	2.66	0.00	2.66	25.35	0.00	0.00	0.00
22.80	2.65	0.00	2.65	25.40	0.00	0.00	0.00
22.85	2.64	0.00	2.64	25.45	0.00	0.00	0.00
22.90	2.63	0.00	2.63	25.50	0.00	0.00	0.00
22.95	2.63	0.00	2.63	25.55	0.00	0.00	0.00
23.00	2.63	0.00	2.63	25.60	0.00	0.00	0.00
23.05	2.60	0.00	2.60	25.65	0.00	0.00	0.00
23.10	2.58	0.00	2.58	25.70	0.00	0.00	0.00
23.15	2.57	0.00	2.57	25.75	0.00	0.00	0.00
23.20	2.56	0.00	2.56	25.80	0.00	0.00	0.00
23.25	2.54	0.00	2.54	25.85	0.00	0.00	0.00
23.30	2.54	0.00	2.54	25.90	0.00	0.00	0.00
23.35	2.54	0.00	2.54	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

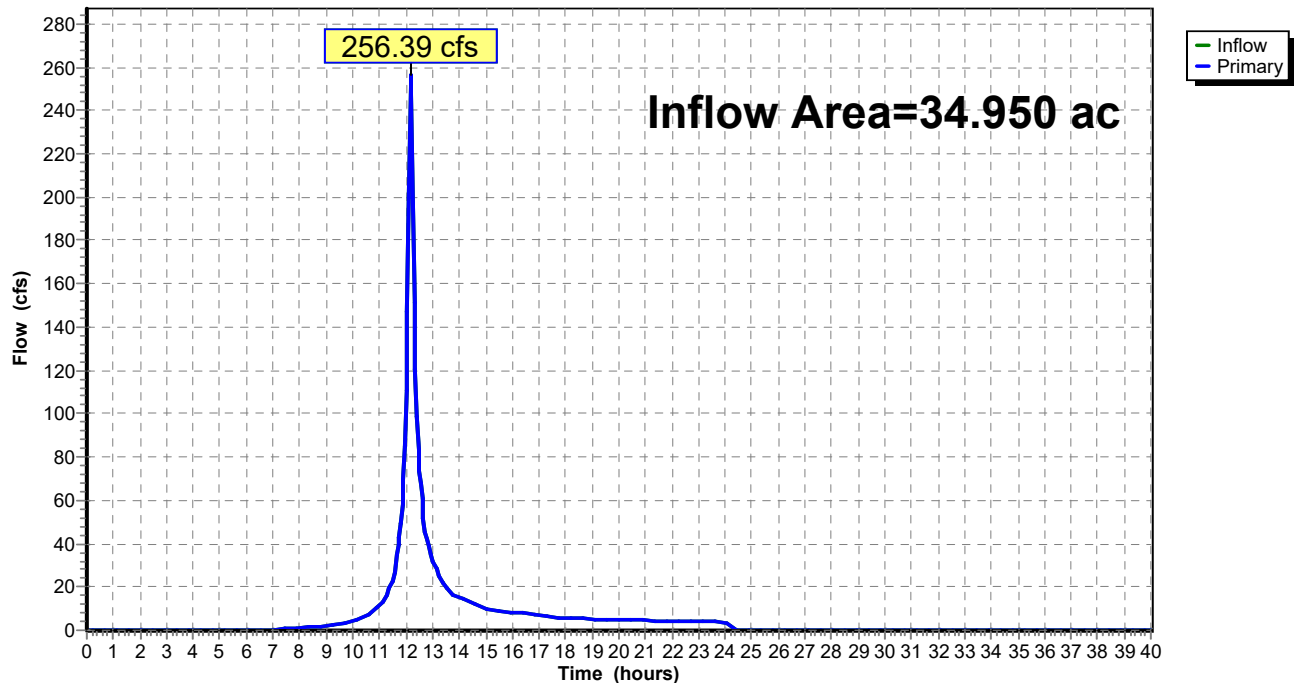
Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 6.61" for Future 100 yr event
Inflow = 256.39 cfs @ 12.17 hrs, Volume= 19.263 af
Primary = 256.39 cfs @ 12.17 hrs, Volume= 19.263 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4

Hydrograph



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.71	0.00	0.71
5.25	0.00	0.00	0.00	7.85	0.75	0.00	0.75
5.30	0.00	0.00	0.00	7.90	0.80	0.00	0.80
5.35	0.00	0.00	0.00	7.95	0.84	0.00	0.84
5.40	0.00	0.00	0.00	8.00	0.88	0.00	0.88
5.45	0.00	0.00	0.00	8.05	0.93	0.00	0.93
5.50	0.00	0.00	0.00	8.10	0.97	0.00	0.97
5.55	0.00	0.00	0.00	8.15	1.01	0.00	1.01
5.60	0.00	0.00	0.00	8.20	1.06	0.00	1.06
5.65	0.00	0.00	0.00	8.25	1.11	0.00	1.11
5.70	0.00	0.00	0.00	8.30	1.16	0.00	1.16
5.75	0.00	0.00	0.00	8.35	1.21	0.00	1.21
5.80	0.00	0.00	0.00	8.40	1.26	0.00	1.26
5.85	0.00	0.00	0.00	8.45	1.32	0.00	1.32
5.90	0.00	0.00	0.00	8.50	1.37	0.00	1.37
5.95	0.00	0.00	0.00	8.55	1.43	0.00	1.43
6.00	0.00	0.00	0.00	8.60	1.48	0.00	1.48
6.05	0.00	0.00	0.00	8.65	1.54	0.00	1.54
6.10	0.00	0.00	0.00	8.70	1.60	0.00	1.60
6.15	0.00	0.00	0.00	8.75	1.66	0.00	1.66
6.20	0.00	0.00	0.00	8.80	1.71	0.00	1.71
6.25	0.00	0.00	0.00	8.85	1.77	0.00	1.77
6.30	0.00	0.00	0.00	8.90	1.83	0.00	1.83
6.35	0.00	0.00	0.00	8.95	1.89	0.00	1.89
6.40	0.00	0.00	0.00	9.00	1.95	0.00	1.95
6.45	0.00	0.00	0.00	9.05	2.02	0.00	2.02
6.50	0.00	0.00	0.00	9.10	2.10	0.00	2.10
6.55	0.00	0.00	0.00	9.15	2.19	0.00	2.19
6.60	0.00	0.00	0.00	9.20	2.30	0.00	2.30
6.65	0.00	0.00	0.00	9.25	2.40	0.00	2.40
6.70	0.01	0.00	0.01	9.30	2.52	0.00	2.52
6.75	0.02	0.00	0.02	9.35	2.64	0.00	2.64
6.80	0.05	0.00	0.05	9.40	2.76	0.00	2.76
6.85	0.07	0.00	0.07	9.45	2.89	0.00	2.89
6.90	0.10	0.00	0.10	9.50	3.02	0.00	3.02
6.95	0.13	0.00	0.13	9.55	3.15	0.00	3.15
7.00	0.15	0.00	0.15	9.60	3.29	0.00	3.29
7.05	0.19	0.00	0.19	9.65	3.43	0.00	3.43
7.10	0.22	0.00	0.22	9.70	3.58	0.00	3.58
7.15	0.25	0.00	0.25	9.75	3.73	0.00	3.73
7.20	0.28	0.00	0.28	9.80	3.88	0.00	3.88
7.25	0.31	0.00	0.31	9.85	4.03	0.00	4.03
7.30	0.35	0.00	0.35	9.90	4.19	0.00	4.19
7.35	0.38	0.00	0.38	9.95	4.36	0.00	4.36
7.40	0.41	0.00	0.41	10.00	4.53	0.00	4.53
7.45	0.45	0.00	0.45	10.05	4.70	0.00	4.70
7.50	0.49	0.00	0.49	10.10	4.87	0.00	4.87
7.55	0.52	0.00	0.52	10.15	5.05	0.00	5.05
7.60	0.56	0.00	0.56	10.20	5.23	0.00	5.23
7.65	0.60	0.00	0.60	10.25	5.42	0.00	5.42
7.70	0.64	0.00	0.64	10.30	5.61	0.00	5.61
7.75	0.68	0.00	0.68	10.35	5.80	0.00	5.80

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.00	0.00	6.00	13.00	32.42	0.00	32.42
10.45	6.20	0.00	6.20	13.05	30.76	0.00	30.76
10.50	6.41	0.00	6.41	13.10	29.07	0.00	29.07
10.55	6.64	0.00	6.64	13.15	27.44	0.00	27.44
10.60	6.98	0.00	6.98	13.20	26.07	0.00	26.07
10.65	7.41	0.00	7.41	13.25	24.96	0.00	24.96
10.70	7.90	0.00	7.90	13.30	23.95	0.00	23.95
10.75	8.43	0.00	8.43	13.35	23.00	0.00	23.00
10.80	8.99	0.00	8.99	13.40	22.07	0.00	22.07
10.85	9.57	0.00	9.57	13.45	21.15	0.00	21.15
10.90	10.18	0.00	10.18	13.50	20.22	0.00	20.22
10.95	10.80	0.00	10.80	13.55	19.32	0.00	19.32
11.00	11.45	0.00	11.45	13.60	18.40	0.00	18.40
11.05	12.14	0.00	12.14	13.65	17.54	0.00	17.54
11.10	13.01	0.00	13.01	13.70	16.90	0.00	16.90
11.15	14.02	0.00	14.02	13.75	16.47	0.00	16.47
11.20	15.15	0.00	15.15	13.80	16.14	0.00	16.14
11.25	16.33	0.00	16.33	13.85	15.86	0.00	15.86
11.30	17.59	0.00	17.59	13.90	15.61	0.00	15.61
11.35	18.88	0.00	18.88	13.95	15.38	0.00	15.38
11.40	20.24	0.00	20.24	14.00	15.13	0.00	15.13
11.45	21.62	0.00	21.62	14.05	14.89	0.00	14.89
11.50	22.97	0.00	22.97	14.10	14.65	0.00	14.65
11.55	24.72	0.00	24.72	14.15	14.41	0.00	14.41
11.60	28.79	0.00	28.79	14.20	14.18	0.00	14.18
11.65	34.48	0.00	34.48	14.25	13.95	0.00	13.95
11.70	39.24	0.00	39.24	14.30	13.71	0.00	13.71
11.75	43.23	0.00	43.23	14.35	13.46	0.00	13.46
11.80	49.36	0.00	49.36	14.40	13.22	0.00	13.22
11.85	57.94	0.00	57.94	14.45	12.98	0.00	12.98
11.90	69.61	0.00	69.61	14.50	12.74	0.00	12.74
11.95	85.33	0.00	85.33	14.55	12.51	0.00	12.51
12.00	111.09	0.00	111.09	14.60	12.27	0.00	12.27
12.05	147.14	0.00	147.14	14.65	12.02	0.00	12.02
12.10	199.51	0.00	199.51	14.70	11.77	0.00	11.77
12.15	251.15	0.00	251.15	14.75	11.53	0.00	11.53
12.20	247.59	0.00	247.59	14.80	11.29	0.00	11.29
12.25	197.59	0.00	197.59	14.85	11.06	0.00	11.06
12.30	150.89	0.00	150.89	14.90	10.81	0.00	10.81
12.35	120.40	0.00	120.40	14.95	10.56	0.00	10.56
12.40	98.99	0.00	98.99	15.00	10.31	0.00	10.31
12.45	83.46	0.00	83.46	15.05	10.06	0.00	10.06
12.50	73.76	0.00	73.76	15.10	9.83	0.00	9.83
12.55	67.77	0.00	67.77	15.15	9.60	0.00	9.60
12.60	60.33	0.00	60.33	15.20	9.43	0.00	9.43
12.65	51.75	0.00	51.75	15.25	9.31	0.00	9.31
12.70	45.66	0.00	45.66	15.30	9.22	0.00	9.22
12.75	42.16	0.00	42.16	15.35	9.14	0.00	9.14
12.80	39.69	0.00	39.69	15.40	9.08	0.00	9.08
12.85	37.67	0.00	37.67	15.45	9.02	0.00	9.02
12.90	35.85	0.00	35.85	15.50	8.96	0.00	8.96
12.95	34.13	0.00	34.13	15.55	8.89	0.00	8.89

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.83	0.00	8.83	18.20	5.47	0.00	5.47
15.65	8.77	0.00	8.77	18.25	5.44	0.00	5.44
15.70	8.70	0.00	8.70	18.30	5.42	0.00	5.42
15.75	8.63	0.00	8.63	18.35	5.40	0.00	5.40
15.80	8.56	0.00	8.56	18.40	5.38	0.00	5.38
15.85	8.50	0.00	8.50	18.45	5.37	0.00	5.37
15.90	8.44	0.00	8.44	18.50	5.35	0.00	5.35
15.95	8.38	0.00	8.38	18.55	5.34	0.00	5.34
16.00	8.32	0.00	8.32	18.60	5.32	0.00	5.32
16.05	8.25	0.00	8.25	18.65	5.30	0.00	5.30
16.10	8.19	0.00	8.19	18.70	5.29	0.00	5.29
16.15	8.13	0.00	8.13	18.75	5.27	0.00	5.27
16.20	8.07	0.00	8.07	18.80	5.26	0.00	5.26
16.25	8.01	0.00	8.01	18.85	5.24	0.00	5.24
16.30	7.94	0.00	7.94	18.90	5.22	0.00	5.22
16.35	7.86	0.00	7.86	18.95	5.21	0.00	5.21
16.40	7.80	0.00	7.80	19.00	5.19	0.00	5.19
16.45	7.74	0.00	7.74	19.05	5.18	0.00	5.18
16.50	7.68	0.00	7.68	19.10	5.16	0.00	5.16
16.55	7.60	0.00	7.60	19.15	5.14	0.00	5.14
16.60	7.54	0.00	7.54	19.20	5.13	0.00	5.13
16.65	7.48	0.00	7.48	19.25	5.11	0.00	5.11
16.70	7.42	0.00	7.42	19.30	5.10	0.00	5.10
16.75	7.36	0.00	7.36	19.35	5.08	0.00	5.08
16.80	7.29	0.00	7.29	19.40	5.06	0.00	5.06
16.85	7.21	0.00	7.21	19.45	5.05	0.00	5.05
16.90	7.15	0.00	7.15	19.50	5.03	0.00	5.03
16.95	7.09	0.00	7.09	19.55	5.01	0.00	5.01
17.00	7.03	0.00	7.03	19.60	5.00	0.00	5.00
17.05	6.97	0.00	6.97	19.65	4.98	0.00	4.98
17.10	6.90	0.00	6.90	19.70	4.97	0.00	4.97
17.15	6.84	0.00	6.84	19.75	4.95	0.00	4.95
17.20	6.77	0.00	6.77	19.80	4.94	0.00	4.94
17.25	6.71	0.00	6.71	19.85	4.94	0.00	4.94
17.30	6.63	0.00	6.63	19.90	4.92	0.00	4.92
17.35	6.56	0.00	6.56	19.95	4.90	0.00	4.90
17.40	6.49	0.00	6.49	20.00	4.87	0.00	4.87
17.45	6.43	0.00	6.43	20.05	4.85	0.00	4.85
17.50	6.37	0.00	6.37	20.10	4.84	0.00	4.84
17.55	6.31	0.00	6.31	20.15	4.82	0.00	4.82
17.60	6.24	0.00	6.24	20.20	4.80	0.00	4.80
17.65	6.18	0.00	6.18	20.25	4.79	0.00	4.79
17.70	6.11	0.00	6.11	20.30	4.77	0.00	4.77
17.75	6.05	0.00	6.05	20.35	4.75	0.00	4.75
17.80	5.98	0.00	5.98	20.40	4.74	0.00	4.74
17.85	5.92	0.00	5.92	20.45	4.72	0.00	4.72
17.90	5.85	0.00	5.85	20.50	4.71	0.00	4.71
17.95	5.78	0.00	5.78	20.55	4.69	0.00	4.69
18.00	5.72	0.00	5.72	20.60	4.68	0.00	4.68
18.05	5.65	0.00	5.65	20.65	4.67	0.00	4.67
18.10	5.58	0.00	5.58	20.70	4.66	0.00	4.66
18.15	5.52	0.00	5.52	20.75	4.63	0.00	4.63

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.61	0.00	4.61	23.40	3.75	0.00	3.75
20.85	4.59	0.00	4.59	23.45	3.75	0.00	3.75
20.90	4.58	0.00	4.58	23.50	3.73	0.00	3.73
20.95	4.56	0.00	4.56	23.55	3.71	0.00	3.71
21.00	4.54	0.00	4.54	23.60	3.68	0.00	3.68
21.05	4.53	0.00	4.53	23.65	3.66	0.00	3.66
21.10	4.51	0.00	4.51	23.70	3.65	0.00	3.65
21.15	4.49	0.00	4.49	23.75	3.65	0.00	3.65
21.20	4.48	0.00	4.48	23.80	3.63	0.00	3.63
21.25	4.46	0.00	4.46	23.85	3.60	0.00	3.60
21.30	4.45	0.00	4.45	23.90	3.58	0.00	3.58
21.35	4.44	0.00	4.44	23.95	3.60	0.00	3.60
21.40	4.43	0.00	4.43	24.00	3.76	0.00	3.76
21.45	4.40	0.00	4.40	24.05	3.88	0.00	3.88
21.50	4.38	0.00	4.38	24.10	3.15	0.00	3.15
21.55	4.36	0.00	4.36	24.15	1.81	0.00	1.81
21.60	4.34	0.00	4.34	24.20	0.86	0.00	0.86
21.65	4.33	0.00	4.33	24.25	0.40	0.00	0.40
21.70	4.31	0.00	4.31	24.30	0.19	0.00	0.19
21.75	4.30	0.00	4.30	24.35	0.09	0.00	0.09
21.80	4.29	0.00	4.29	24.40	0.04	0.00	0.04
21.85	4.28	0.00	4.28	24.45	0.02	0.00	0.02
21.90	4.26	0.00	4.26	24.50	0.00	0.00	0.00
21.95	4.24	0.00	4.24	24.55	0.00	0.00	0.00
22.00	4.22	0.00	4.22	24.60	0.00	0.00	0.00
22.05	4.20	0.00	4.20	24.65	0.00	0.00	0.00
22.10	4.18	0.00	4.18	24.70	0.00	0.00	0.00
22.15	4.16	0.00	4.16	24.75	0.00	0.00	0.00
22.20	4.15	0.00	4.15	24.80	0.00	0.00	0.00
22.25	4.15	0.00	4.15	24.85	0.00	0.00	0.00
22.30	4.13	0.00	4.13	24.90	0.00	0.00	0.00
22.35	4.11	0.00	4.11	24.95	0.00	0.00	0.00
22.40	4.08	0.00	4.08	25.00	0.00	0.00	0.00
22.45	4.06	0.00	4.06	25.05	0.00	0.00	0.00
22.50	4.05	0.00	4.05	25.10	0.00	0.00	0.00
22.55	4.03	0.00	4.03	25.15	0.00	0.00	0.00
22.60	4.02	0.00	4.02	25.20	0.00	0.00	0.00
22.65	4.01	0.00	4.01	25.25	0.00	0.00	0.00
22.70	4.00	0.00	4.00	25.30	0.00	0.00	0.00
22.75	3.97	0.00	3.97	25.35	0.00	0.00	0.00
22.80	3.95	0.00	3.95	25.40	0.00	0.00	0.00
22.85	3.93	0.00	3.93	25.45	0.00	0.00	0.00
22.90	3.91	0.00	3.91	25.50	0.00	0.00	0.00
22.95	3.90	0.00	3.90	25.55	0.00	0.00	0.00
23.00	3.89	0.00	3.89	25.60	0.00	0.00	0.00
23.05	3.88	0.00	3.88	25.65	0.00	0.00	0.00
23.10	3.86	0.00	3.86	25.70	0.00	0.00	0.00
23.15	3.84	0.00	3.84	25.75	0.00	0.00	0.00
23.20	3.82	0.00	3.82	25.80	0.00	0.00	0.00
23.25	3.80	0.00	3.80	25.85	0.00	0.00	0.00
23.30	3.78	0.00	3.78	25.90	0.00	0.00	0.00
23.35	3.76	0.00	3.76	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

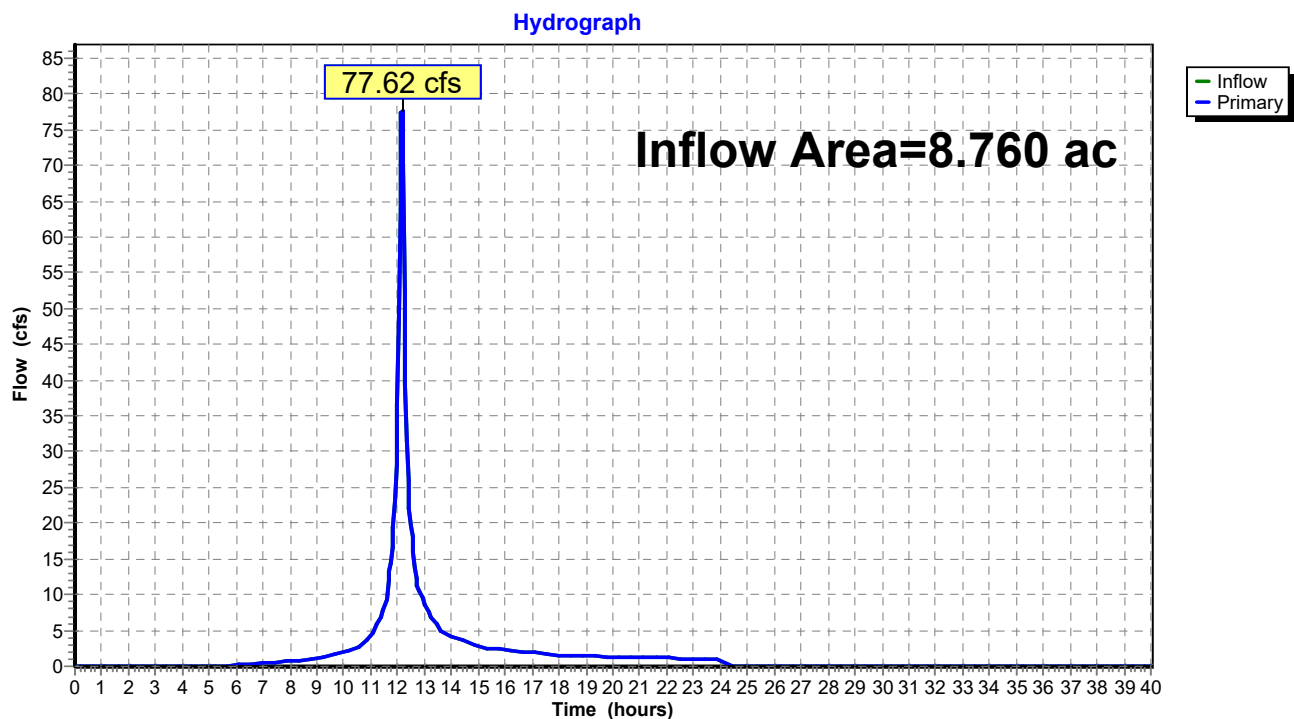
Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 7.85" for Future 100 yr event
Inflow = 77.62 cfs @ 12.16 hrs, Volume= 5.731 af
Primary = 77.62 cfs @ 12.16 hrs, Volume= 5.731 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5

Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.02	0.00	0.02
2.50	0.00	0.00	0.00	5.10	0.03	0.00	0.03
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.04	0.00	0.04	7.80	0.60	0.00	0.60
5.25	0.05	0.00	0.05	7.85	0.62	0.00	0.62
5.30	0.05	0.00	0.05	7.90	0.64	0.00	0.64
5.35	0.06	0.00	0.06	7.95	0.65	0.00	0.65
5.40	0.07	0.00	0.07	8.00	0.67	0.00	0.67
5.45	0.08	0.00	0.08	8.05	0.69	0.00	0.69
5.50	0.08	0.00	0.08	8.10	0.70	0.00	0.70
5.55	0.09	0.00	0.09	8.15	0.72	0.00	0.72
5.60	0.10	0.00	0.10	8.20	0.74	0.00	0.74
5.65	0.11	0.00	0.11	8.25	0.75	0.00	0.75
5.70	0.11	0.00	0.11	8.30	0.77	0.00	0.77
5.75	0.12	0.00	0.12	8.35	0.79	0.00	0.79
5.80	0.13	0.00	0.13	8.40	0.80	0.00	0.80
5.85	0.14	0.00	0.14	8.45	0.82	0.00	0.82
5.90	0.14	0.00	0.14	8.50	0.84	0.00	0.84
5.95	0.15	0.00	0.15	8.55	0.86	0.00	0.86
6.00	0.16	0.00	0.16	8.60	0.88	0.00	0.88
6.05	0.17	0.00	0.17	8.65	0.90	0.00	0.90
6.10	0.18	0.00	0.18	8.70	0.91	0.00	0.91
6.15	0.18	0.00	0.18	8.75	0.93	0.00	0.93
6.20	0.19	0.00	0.19	8.80	0.95	0.00	0.95
6.25	0.20	0.00	0.20	8.85	0.97	0.00	0.97
6.30	0.21	0.00	0.21	8.90	0.99	0.00	0.99
6.35	0.22	0.00	0.22	8.95	1.01	0.00	1.01
6.40	0.23	0.00	0.23	9.00	1.03	0.00	1.03
6.45	0.24	0.00	0.24	9.05	1.05	0.00	1.05
6.50	0.26	0.00	0.26	9.10	1.08	0.00	1.08
6.55	0.27	0.00	0.27	9.15	1.12	0.00	1.12
6.60	0.28	0.00	0.28	9.20	1.16	0.00	1.16
6.65	0.29	0.00	0.29	9.25	1.20	0.00	1.20
6.70	0.30	0.00	0.30	9.30	1.25	0.00	1.25
6.75	0.31	0.00	0.31	9.35	1.29	0.00	1.29
6.80	0.32	0.00	0.32	9.40	1.34	0.00	1.34
6.85	0.34	0.00	0.34	9.45	1.38	0.00	1.38
6.90	0.35	0.00	0.35	9.50	1.43	0.00	1.43
6.95	0.36	0.00	0.36	9.55	1.48	0.00	1.48
7.00	0.37	0.00	0.37	9.60	1.53	0.00	1.53
7.05	0.39	0.00	0.39	9.65	1.58	0.00	1.58
7.10	0.40	0.00	0.40	9.70	1.63	0.00	1.63
7.15	0.41	0.00	0.41	9.75	1.68	0.00	1.68
7.20	0.43	0.00	0.43	9.80	1.73	0.00	1.73
7.25	0.44	0.00	0.44	9.85	1.78	0.00	1.78
7.30	0.45	0.00	0.45	9.90	1.84	0.00	1.84
7.35	0.47	0.00	0.47	9.95	1.89	0.00	1.89
7.40	0.48	0.00	0.48	10.00	1.95	0.00	1.95
7.45	0.50	0.00	0.50	10.05	2.00	0.00	2.00
7.50	0.51	0.00	0.51	10.10	2.06	0.00	2.06
7.55	0.53	0.00	0.53	10.15	2.12	0.00	2.12
7.60	0.54	0.00	0.54	10.20	2.18	0.00	2.18
7.65	0.56	0.00	0.56	10.25	2.24	0.00	2.24
7.70	0.57	0.00	0.57	10.30	2.30	0.00	2.30
7.75	0.59	0.00	0.59	10.35	2.36	0.00	2.36

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.42	0.00	2.42	13.00	8.77	0.00	8.77
10.45	2.48	0.00	2.48	13.05	8.31	0.00	8.31
10.50	2.55	0.00	2.55	13.10	7.84	0.00	7.84
10.55	2.63	0.00	2.63	13.15	7.40	0.00	7.40
10.60	2.75	0.00	2.75	13.20	7.04	0.00	7.04
10.65	2.91	0.00	2.91	13.25	6.75	0.00	6.75
10.70	3.09	0.00	3.09	13.30	6.47	0.00	6.47
10.75	3.27	0.00	3.27	13.35	6.22	0.00	6.22
10.80	3.46	0.00	3.46	13.40	5.96	0.00	5.96
10.85	3.66	0.00	3.66	13.45	5.71	0.00	5.71
10.90	3.86	0.00	3.86	13.50	5.45	0.00	5.45
10.95	4.06	0.00	4.06	13.55	5.20	0.00	5.20
11.00	4.27	0.00	4.27	13.60	4.95	0.00	4.95
11.05	4.50	0.00	4.50	13.65	4.72	0.00	4.72
11.10	4.80	0.00	4.80	13.70	4.56	0.00	4.56
11.15	5.14	0.00	5.14	13.75	4.46	0.00	4.46
11.20	5.52	0.00	5.52	13.80	4.37	0.00	4.37
11.25	5.90	0.00	5.90	13.85	4.30	0.00	4.30
11.30	6.30	0.00	6.30	13.90	4.23	0.00	4.23
11.35	6.71	0.00	6.71	13.95	4.17	0.00	4.17
11.40	7.13	0.00	7.13	14.00	4.10	0.00	4.10
11.45	7.55	0.00	7.55	14.05	4.04	0.00	4.04
11.50	7.95	0.00	7.95	14.10	3.97	0.00	3.97
11.55	8.54	0.00	8.54	14.15	3.90	0.00	3.90
11.60	10.08	0.00	10.08	14.20	3.84	0.00	3.84
11.65	11.98	0.00	11.98	14.25	3.78	0.00	3.78
11.70	13.32	0.00	13.32	14.30	3.71	0.00	3.71
11.75	14.47	0.00	14.47	14.35	3.64	0.00	3.64
11.80	16.54	0.00	16.54	14.40	3.57	0.00	3.57
11.85	19.31	0.00	19.31	14.45	3.51	0.00	3.51
11.90	23.07	0.00	23.07	14.50	3.44	0.00	3.44
11.95	28.04	0.00	28.04	14.55	3.38	0.00	3.38
12.00	36.56	0.00	36.56	14.60	3.31	0.00	3.31
12.05	47.92	0.00	47.92	14.65	3.24	0.00	3.24
12.10	64.03	0.00	64.03	14.70	3.17	0.00	3.17
12.15	77.39	0.00	77.39	14.75	3.11	0.00	3.11
12.20	70.17	0.00	70.17	14.80	3.04	0.00	3.04
12.25	52.47	0.00	52.47	14.85	2.98	0.00	2.98
12.30	39.52	0.00	39.52	14.90	2.91	0.00	2.91
12.35	31.52	0.00	31.52	14.95	2.84	0.00	2.84
12.40	25.93	0.00	25.93	15.00	2.77	0.00	2.77
12.45	21.95	0.00	21.95	15.05	2.71	0.00	2.71
12.50	19.70	0.00	19.70	15.10	2.64	0.00	2.64
12.55	18.21	0.00	18.21	15.15	2.58	0.00	2.58
12.60	16.02	0.00	16.02	15.20	2.54	0.00	2.54
12.65	13.66	0.00	13.66	15.25	2.51	0.00	2.51
12.70	12.19	0.00	12.19	15.30	2.49	0.00	2.49
12.75	11.35	0.00	11.35	15.35	2.47	0.00	2.47
12.80	10.73	0.00	10.73	15.40	2.45	0.00	2.45
12.85	10.21	0.00	10.21	15.45	2.44	0.00	2.44
12.90	9.72	0.00	9.72	15.50	2.42	0.00	2.42
12.95	9.25	0.00	9.25	15.55	2.40	0.00	2.40

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.38	0.00	2.38	18.20	1.47	0.00	1.47
15.65	2.37	0.00	2.37	18.25	1.46	0.00	1.46
15.70	2.35	0.00	2.35	18.30	1.45	0.00	1.45
15.75	2.33	0.00	2.33	18.35	1.45	0.00	1.45
15.80	2.31	0.00	2.31	18.40	1.45	0.00	1.45
15.85	2.29	0.00	2.29	18.45	1.44	0.00	1.44
15.90	2.28	0.00	2.28	18.50	1.44	0.00	1.44
15.95	2.26	0.00	2.26	18.55	1.43	0.00	1.43
16.00	2.24	0.00	2.24	18.60	1.43	0.00	1.43
16.05	2.22	0.00	2.22	18.65	1.42	0.00	1.42
16.10	2.21	0.00	2.21	18.70	1.42	0.00	1.42
16.15	2.19	0.00	2.19	18.75	1.41	0.00	1.41
16.20	2.17	0.00	2.17	18.80	1.41	0.00	1.41
16.25	2.16	0.00	2.16	18.85	1.41	0.00	1.41
16.30	2.14	0.00	2.14	18.90	1.40	0.00	1.40
16.35	2.12	0.00	2.12	18.95	1.40	0.00	1.40
16.40	2.10	0.00	2.10	19.00	1.39	0.00	1.39
16.45	2.08	0.00	2.08	19.05	1.39	0.00	1.39
16.50	2.06	0.00	2.06	19.10	1.38	0.00	1.38
16.55	2.05	0.00	2.05	19.15	1.38	0.00	1.38
16.60	2.03	0.00	2.03	19.20	1.37	0.00	1.37
16.65	2.01	0.00	2.01	19.25	1.37	0.00	1.37
16.70	2.00	0.00	2.00	19.30	1.37	0.00	1.37
16.75	1.98	0.00	1.98	19.35	1.36	0.00	1.36
16.80	1.96	0.00	1.96	19.40	1.36	0.00	1.36
16.85	1.94	0.00	1.94	19.45	1.35	0.00	1.35
16.90	1.92	0.00	1.92	19.50	1.35	0.00	1.35
16.95	1.91	0.00	1.91	19.55	1.34	0.00	1.34
17.00	1.89	0.00	1.89	19.60	1.34	0.00	1.34
17.05	1.87	0.00	1.87	19.65	1.33	0.00	1.33
17.10	1.85	0.00	1.85	19.70	1.33	0.00	1.33
17.15	1.84	0.00	1.84	19.75	1.33	0.00	1.33
17.20	1.82	0.00	1.82	19.80	1.32	0.00	1.32
17.25	1.80	0.00	1.80	19.85	1.32	0.00	1.32
17.30	1.78	0.00	1.78	19.90	1.32	0.00	1.32
17.35	1.76	0.00	1.76	19.95	1.31	0.00	1.31
17.40	1.74	0.00	1.74	20.00	1.30	0.00	1.30
17.45	1.73	0.00	1.73	20.05	1.30	0.00	1.30
17.50	1.71	0.00	1.71	20.10	1.29	0.00	1.29
17.55	1.69	0.00	1.69	20.15	1.29	0.00	1.29
17.60	1.67	0.00	1.67	20.20	1.29	0.00	1.29
17.65	1.66	0.00	1.66	20.25	1.28	0.00	1.28
17.70	1.64	0.00	1.64	20.30	1.28	0.00	1.28
17.75	1.62	0.00	1.62	20.35	1.27	0.00	1.27
17.80	1.60	0.00	1.60	20.40	1.27	0.00	1.27
17.85	1.59	0.00	1.59	20.45	1.26	0.00	1.26
17.90	1.57	0.00	1.57	20.50	1.26	0.00	1.26
17.95	1.55	0.00	1.55	20.55	1.25	0.00	1.25
18.00	1.53	0.00	1.53	20.60	1.25	0.00	1.25
18.05	1.51	0.00	1.51	20.65	1.25	0.00	1.25
18.10	1.50	0.00	1.50	20.70	1.25	0.00	1.25
18.15	1.48	0.00	1.48	20.75	1.24	0.00	1.24

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.23	0.00	1.23	23.40	1.00	0.00	1.00
20.85	1.23	0.00	1.23	23.45	1.00	0.00	1.00
20.90	1.22	0.00	1.22	23.50	0.99	0.00	0.99
20.95	1.22	0.00	1.22	23.55	0.99	0.00	0.99
21.00	1.21	0.00	1.21	23.60	0.98	0.00	0.98
21.05	1.21	0.00	1.21	23.65	0.98	0.00	0.98
21.10	1.21	0.00	1.21	23.70	0.97	0.00	0.97
21.15	1.20	0.00	1.20	23.75	0.97	0.00	0.97
21.20	1.20	0.00	1.20	23.80	0.97	0.00	0.97
21.25	1.19	0.00	1.19	23.85	0.96	0.00	0.96
21.30	1.19	0.00	1.19	23.90	0.95	0.00	0.95
21.35	1.19	0.00	1.19	23.95	0.96	0.00	0.96
21.40	1.18	0.00	1.18	24.00	1.02	0.00	1.02
21.45	1.18	0.00	1.18	24.05	1.04	0.00	1.04
21.50	1.17	0.00	1.17	24.10	0.77	0.00	0.77
21.55	1.17	0.00	1.17	24.15	0.39	0.00	0.39
21.60	1.16	0.00	1.16	24.20	0.17	0.00	0.17
21.65	1.16	0.00	1.16	24.25	0.07	0.00	0.07
21.70	1.15	0.00	1.15	24.30	0.03	0.00	0.03
21.75	1.15	0.00	1.15	24.35	0.01	0.00	0.01
21.80	1.15	0.00	1.15	24.40	0.00	0.00	0.00
21.85	1.14	0.00	1.14	24.45	0.00	0.00	0.00
21.90	1.14	0.00	1.14	24.50	0.00	0.00	0.00
21.95	1.13	0.00	1.13	24.55	0.00	0.00	0.00
22.00	1.13	0.00	1.13	24.60	0.00	0.00	0.00
22.05	1.12	0.00	1.12	24.65	0.00	0.00	0.00
22.10	1.12	0.00	1.12	24.70	0.00	0.00	0.00
22.15	1.11	0.00	1.11	24.75	0.00	0.00	0.00
22.20	1.11	0.00	1.11	24.80	0.00	0.00	0.00
22.25	1.11	0.00	1.11	24.85	0.00	0.00	0.00
22.30	1.10	0.00	1.10	24.90	0.00	0.00	0.00
22.35	1.10	0.00	1.10	24.95	0.00	0.00	0.00
22.40	1.09	0.00	1.09	25.00	0.00	0.00	0.00
22.45	1.08	0.00	1.08	25.05	0.00	0.00	0.00
22.50	1.08	0.00	1.08	25.10	0.00	0.00	0.00
22.55	1.08	0.00	1.08	25.15	0.00	0.00	0.00
22.60	1.07	0.00	1.07	25.20	0.00	0.00	0.00
22.65	1.07	0.00	1.07	25.25	0.00	0.00	0.00
22.70	1.07	0.00	1.07	25.30	0.00	0.00	0.00
22.75	1.06	0.00	1.06	25.35	0.00	0.00	0.00
22.80	1.05	0.00	1.05	25.40	0.00	0.00	0.00
22.85	1.05	0.00	1.05	25.45	0.00	0.00	0.00
22.90	1.04	0.00	1.04	25.50	0.00	0.00	0.00
22.95	1.04	0.00	1.04	25.55	0.00	0.00	0.00
23.00	1.04	0.00	1.04	25.60	0.00	0.00	0.00
23.05	1.04	0.00	1.04	25.65	0.00	0.00	0.00
23.10	1.03	0.00	1.03	25.70	0.00	0.00	0.00
23.15	1.02	0.00	1.02	25.75	0.00	0.00	0.00
23.20	1.02	0.00	1.02	25.80	0.00	0.00	0.00
23.25	1.01	0.00	1.01	25.85	0.00	0.00	0.00
23.30	1.01	0.00	1.01	25.90	0.00	0.00	0.00
23.35	1.00	0.00	1.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

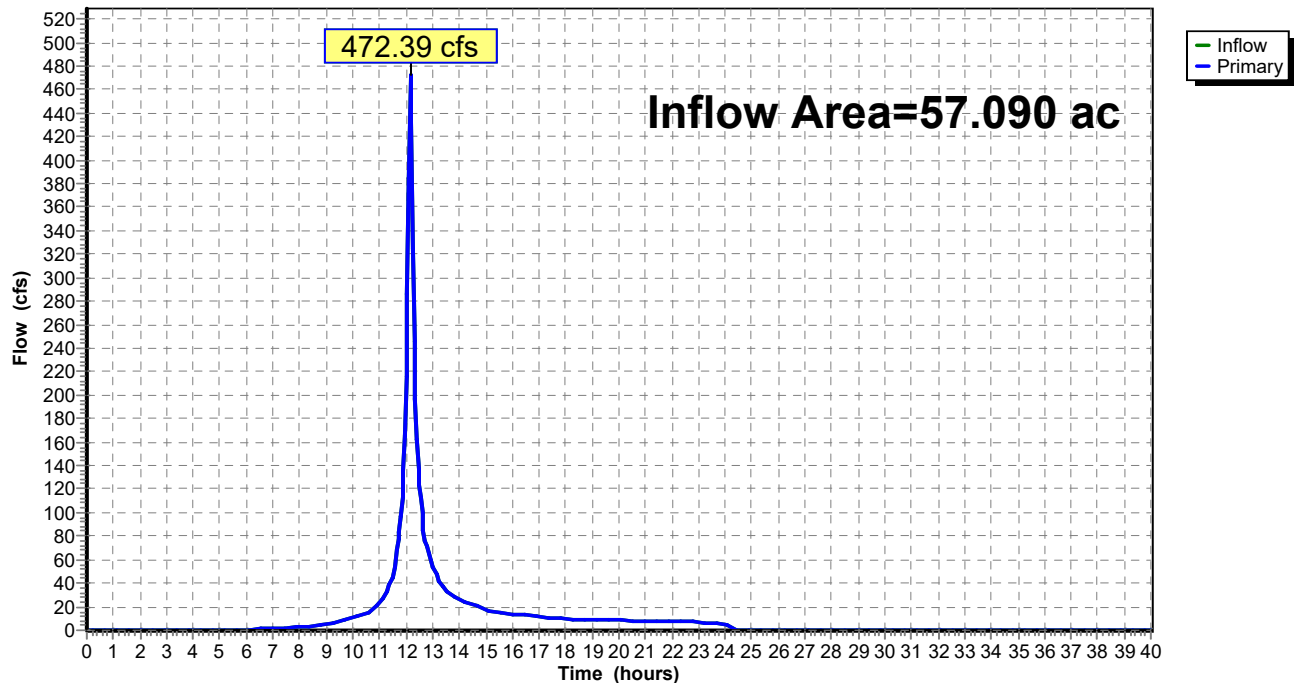
Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 7.28" for Future 100 yr event
Inflow = 472.39 cfs @ 12.16 hrs, Volume= 34.630 af
Primary = 472.39 cfs @ 12.16 hrs, Volume= 34.630 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6

Hydrograph



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.09	0.00	0.09
0.05	0.00	0.00	0.00	2.65	0.09	0.00	0.09
0.10	0.00	0.00	0.00	2.70	0.09	0.00	0.09
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.10	0.00	0.10
0.55	0.01	0.00	0.01	3.15	0.10	0.00	0.10
0.60	0.01	0.00	0.01	3.20	0.10	0.00	0.10
0.65	0.02	0.00	0.02	3.25	0.10	0.00	0.10
0.70	0.02	0.00	0.02	3.30	0.10	0.00	0.10
0.75	0.02	0.00	0.02	3.35	0.10	0.00	0.10
0.80	0.03	0.00	0.03	3.40	0.10	0.00	0.10
0.85	0.03	0.00	0.03	3.45	0.10	0.00	0.10
0.90	0.03	0.00	0.03	3.50	0.10	0.00	0.10
0.95	0.04	0.00	0.04	3.55	0.10	0.00	0.10
1.00	0.04	0.00	0.04	3.60	0.10	0.00	0.10
1.05	0.04	0.00	0.04	3.65	0.10	0.00	0.10
1.10	0.04	0.00	0.04	3.70	0.10	0.00	0.10
1.15	0.05	0.00	0.05	3.75	0.10	0.00	0.10
1.20	0.05	0.00	0.05	3.80	0.11	0.00	0.11
1.25	0.05	0.00	0.05	3.85	0.11	0.00	0.11
1.30	0.05	0.00	0.05	3.90	0.11	0.00	0.11
1.35	0.05	0.00	0.05	3.95	0.11	0.00	0.11
1.40	0.06	0.00	0.06	4.00	0.11	0.00	0.11
1.45	0.06	0.00	0.06	4.05	0.11	0.00	0.11
1.50	0.06	0.00	0.06	4.10	0.11	0.00	0.11
1.55	0.06	0.00	0.06	4.15	0.11	0.00	0.11
1.60	0.06	0.00	0.06	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.07	0.00	0.07	4.30	0.11	0.00	0.11
1.75	0.07	0.00	0.07	4.35	0.11	0.00	0.11
1.80	0.07	0.00	0.07	4.40	0.11	0.00	0.11
1.85	0.07	0.00	0.07	4.45	0.11	0.00	0.11
1.90	0.07	0.00	0.07	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.12	0.00	0.12
2.05	0.08	0.00	0.08	4.65	0.12	0.00	0.12
2.10	0.08	0.00	0.08	4.70	0.12	0.00	0.12
2.15	0.08	0.00	0.08	4.75	0.12	0.00	0.12
2.20	0.08	0.00	0.08	4.80	0.12	0.00	0.12
2.25	0.08	0.00	0.08	4.85	0.12	0.00	0.12
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.09	0.00	0.09	5.10	0.12	0.00	0.12
2.55	0.09	0.00	0.09	5.15	0.12	0.00	0.12

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	2.57	0.00	2.57
5.25	0.12	0.00	0.12	7.85	2.66	0.00	2.66
5.30	0.12	0.00	0.12	7.90	2.75	0.00	2.75
5.35	0.12	0.00	0.12	7.95	2.84	0.00	2.84
5.40	0.12	0.00	0.12	8.00	2.94	0.00	2.94
5.45	0.12	0.00	0.12	8.05	3.03	0.00	3.03
5.50	0.12	0.00	0.12	8.10	3.12	0.00	3.12
5.55	0.13	0.00	0.13	8.15	3.21	0.00	3.21
5.60	0.13	0.00	0.13	8.20	3.31	0.00	3.31
5.65	0.13	0.00	0.13	8.25	3.41	0.00	3.41
5.70	0.13	0.00	0.13	8.30	3.51	0.00	3.51
5.75	0.13	0.00	0.13	8.35	3.61	0.00	3.61
5.80	0.14	0.00	0.14	8.40	3.71	0.00	3.71
5.85	0.15	0.00	0.15	8.45	3.81	0.00	3.81
5.90	0.17	0.00	0.17	8.50	3.92	0.00	3.92
5.95	0.19	0.00	0.19	8.55	4.03	0.00	4.03
6.00	0.21	0.00	0.21	8.60	4.13	0.00	4.13
6.05	0.24	0.00	0.24	8.65	4.23	0.00	4.23
6.10	0.28	0.00	0.28	8.70	4.34	0.00	4.34
6.15	0.33	0.00	0.33	8.75	4.46	0.00	4.46
6.20	0.37	0.00	0.37	8.80	4.57	0.00	4.57
6.25	0.42	0.00	0.42	8.85	4.67	0.00	4.67
6.30	0.47	0.00	0.47	8.90	4.78	0.00	4.78
6.35	0.52	0.00	0.52	8.95	4.89	0.00	4.89
6.40	0.58	0.00	0.58	9.00	5.01	0.00	5.01
6.45	0.63	0.00	0.63	9.05	5.14	0.00	5.14
6.50	0.68	0.00	0.68	9.10	5.31	0.00	5.31
6.55	0.74	0.00	0.74	9.15	5.51	0.00	5.51
6.60	0.80	0.00	0.80	9.20	5.73	0.00	5.73
6.65	0.86	0.00	0.86	9.25	5.95	0.00	5.95
6.70	0.92	0.00	0.92	9.30	6.20	0.00	6.20
6.75	0.98	0.00	0.98	9.35	6.45	0.00	6.45
6.80	1.04	0.00	1.04	9.40	6.70	0.00	6.70
6.85	1.11	0.00	1.11	9.45	6.95	0.00	6.95
6.90	1.17	0.00	1.17	9.50	7.21	0.00	7.21
6.95	1.24	0.00	1.24	9.55	7.47	0.00	7.47
7.00	1.31	0.00	1.31	9.60	7.76	0.00	7.76
7.05	1.38	0.00	1.38	9.65	8.04	0.00	8.04
7.10	1.45	0.00	1.45	9.70	8.33	0.00	8.33
7.15	1.52	0.00	1.52	9.75	8.61	0.00	8.61
7.20	1.60	0.00	1.60	9.80	8.91	0.00	8.91
7.25	1.67	0.00	1.67	9.85	9.21	0.00	9.21
7.30	1.74	0.00	1.74	9.90	9.53	0.00	9.53
7.35	1.82	0.00	1.82	9.95	9.85	0.00	9.85
7.40	1.90	0.00	1.90	10.00	10.17	0.00	10.17
7.45	1.98	0.00	1.98	10.05	10.49	0.00	10.49
7.50	2.06	0.00	2.06	10.10	10.82	0.00	10.82
7.55	2.14	0.00	2.14	10.15	11.16	0.00	11.16
7.60	2.23	0.00	2.23	10.20	11.51	0.00	11.51
7.65	2.31	0.00	2.31	10.25	11.87	0.00	11.87
7.70	2.39	0.00	2.39	10.30	12.22	0.00	12.22
7.75	2.48	0.00	2.48	10.35	12.58	0.00	12.58

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	12.94	0.00	12.94	13.00	55.02	0.00	55.02
10.45	13.31	0.00	13.31	13.05	52.15	0.00	52.15
10.50	13.70	0.00	13.70	13.10	49.21	0.00	49.21
10.55	14.15	0.00	14.15	13.15	46.45	0.00	46.45
10.60	14.87	0.00	14.87	13.20	44.21	0.00	44.21
10.65	15.75	0.00	15.75	13.25	42.37	0.00	42.37
10.70	16.74	0.00	16.74	13.30	40.67	0.00	40.67
10.75	17.78	0.00	17.78	13.35	39.07	0.00	39.07
10.80	18.88	0.00	18.88	13.40	37.46	0.00	37.46
10.85	20.01	0.00	20.01	13.45	35.88	0.00	35.88
10.90	21.18	0.00	21.18	13.50	34.29	0.00	34.29
10.95	22.36	0.00	22.36	13.55	32.72	0.00	32.72
11.00	23.60	0.00	23.60	13.60	31.14	0.00	31.14
11.05	24.93	0.00	24.93	13.65	29.69	0.00	29.69
11.10	26.67	0.00	26.67	13.70	28.69	0.00	28.69
11.15	28.64	0.00	28.64	13.75	28.03	0.00	28.03
11.20	30.82	0.00	30.82	13.80	27.50	0.00	27.50
11.25	33.07	0.00	33.07	13.85	27.05	0.00	27.05
11.30	35.45	0.00	35.45	13.90	26.63	0.00	26.63
11.35	37.85	0.00	37.85	13.95	26.24	0.00	26.24
11.40	40.38	0.00	40.38	14.00	25.81	0.00	25.81
11.45	42.88	0.00	42.88	14.05	25.40	0.00	25.40
11.50	45.32	0.00	45.32	14.10	24.97	0.00	24.97
11.55	48.88	0.00	48.88	14.15	24.57	0.00	24.57
11.60	57.72	0.00	57.72	14.20	24.16	0.00	24.16
11.65	68.73	0.00	68.73	14.25	23.77	0.00	23.77
11.70	76.89	0.00	76.89	14.30	23.35	0.00	23.35
11.75	83.97	0.00	83.97	14.35	22.93	0.00	22.93
11.80	96.25	0.00	96.25	14.40	22.50	0.00	22.50
11.85	112.85	0.00	112.85	14.45	22.09	0.00	22.09
11.90	135.39	0.00	135.39	14.50	21.68	0.00	21.68
11.95	165.38	0.00	165.38	14.55	21.29	0.00	21.29
12.00	216.68	0.00	216.68	14.60	20.86	0.00	20.86
12.05	285.94	0.00	285.94	14.65	20.44	0.00	20.44
12.10	384.97	0.00	384.97	14.70	20.01	0.00	20.01
12.15	470.20	0.00	470.20	14.75	19.59	0.00	19.59
12.20	431.61	0.00	431.61	14.80	19.18	0.00	19.18
12.25	325.38	0.00	325.38	14.85	18.78	0.00	18.78
12.30	245.92	0.00	245.92	14.90	18.36	0.00	18.36
12.35	196.51	0.00	196.51	14.95	17.93	0.00	17.93
12.40	161.94	0.00	161.94	15.00	17.50	0.00	17.50
12.45	137.26	0.00	137.26	15.05	17.08	0.00	17.08
12.50	123.12	0.00	123.12	15.10	16.67	0.00	16.67
12.55	113.96	0.00	113.96	15.15	16.29	0.00	16.29
12.60	100.35	0.00	100.35	15.20	16.03	0.00	16.03
12.65	85.62	0.00	85.62	15.25	15.84	0.00	15.84
12.70	76.32	0.00	76.32	15.30	15.69	0.00	15.69
12.75	71.10	0.00	71.10	15.35	15.57	0.00	15.57
12.80	67.22	0.00	67.22	15.40	15.47	0.00	15.47
12.85	63.98	0.00	63.98	15.45	15.37	0.00	15.37
12.90	60.90	0.00	60.90	15.50	15.26	0.00	15.26
12.95	57.98	0.00	57.98	15.55	15.14	0.00	15.14

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	15.03	0.00	15.03	18.20	9.29	0.00	9.29
15.65	14.94	0.00	14.94	18.25	9.24	0.00	9.24
15.70	14.82	0.00	14.82	18.30	9.21	0.00	9.21
15.75	14.70	0.00	14.70	18.35	9.18	0.00	9.18
15.80	14.57	0.00	14.57	18.40	9.15	0.00	9.15
15.85	14.46	0.00	14.46	18.45	9.12	0.00	9.12
15.90	14.36	0.00	14.36	18.50	9.09	0.00	9.09
15.95	14.27	0.00	14.27	18.55	9.06	0.00	9.06
16.00	14.15	0.00	14.15	18.60	9.04	0.00	9.04
16.05	14.03	0.00	14.03	18.65	9.01	0.00	9.01
16.10	13.93	0.00	13.93	18.70	8.98	0.00	8.98
16.15	13.83	0.00	13.83	18.75	8.95	0.00	8.95
16.20	13.73	0.00	13.73	18.80	8.93	0.00	8.93
16.25	13.62	0.00	13.62	18.85	8.90	0.00	8.90
16.30	13.49	0.00	13.49	18.90	8.87	0.00	8.87
16.35	13.37	0.00	13.37	18.95	8.84	0.00	8.84
16.40	13.26	0.00	13.26	19.00	8.81	0.00	8.81
16.45	13.16	0.00	13.16	19.05	8.79	0.00	8.79
16.50	13.04	0.00	13.04	19.10	8.76	0.00	8.76
16.55	12.92	0.00	12.92	19.15	8.73	0.00	8.73
16.60	12.81	0.00	12.81	19.20	8.70	0.00	8.70
16.65	12.72	0.00	12.72	19.25	8.68	0.00	8.68
16.70	12.61	0.00	12.61	19.30	8.65	0.00	8.65
16.75	12.50	0.00	12.50	19.35	8.62	0.00	8.62
16.80	12.38	0.00	12.38	19.40	8.59	0.00	8.59
16.85	12.25	0.00	12.25	19.45	8.56	0.00	8.56
16.90	12.14	0.00	12.14	19.50	8.54	0.00	8.54
16.95	12.04	0.00	12.04	19.55	8.51	0.00	8.51
17.00	11.94	0.00	11.94	19.60	8.48	0.00	8.48
17.05	11.83	0.00	11.83	19.65	8.45	0.00	8.45
17.10	11.72	0.00	11.72	19.70	8.42	0.00	8.42
17.15	11.61	0.00	11.61	19.75	8.40	0.00	8.40
17.20	11.50	0.00	11.50	19.80	8.39	0.00	8.39
17.25	11.38	0.00	11.38	19.85	8.38	0.00	8.38
17.30	11.26	0.00	11.26	19.90	8.34	0.00	8.34
17.35	11.13	0.00	11.13	19.95	8.30	0.00	8.30
17.40	11.02	0.00	11.02	20.00	8.26	0.00	8.26
17.45	10.92	0.00	10.92	20.05	8.23	0.00	8.23
17.50	10.81	0.00	10.81	20.10	8.20	0.00	8.20
17.55	10.71	0.00	10.71	20.15	8.17	0.00	8.17
17.60	10.59	0.00	10.59	20.20	8.15	0.00	8.15
17.65	10.48	0.00	10.48	20.25	8.12	0.00	8.12
17.70	10.37	0.00	10.37	20.30	8.09	0.00	8.09
17.75	10.26	0.00	10.26	20.35	8.06	0.00	8.06
17.80	10.14	0.00	10.14	20.40	8.03	0.00	8.03
17.85	10.03	0.00	10.03	20.45	8.00	0.00	8.00
17.90	9.91	0.00	9.91	20.50	7.98	0.00	7.98
17.95	9.80	0.00	9.80	20.55	7.95	0.00	7.95
18.00	9.69	0.00	9.69	20.60	7.94	0.00	7.94
18.05	9.58	0.00	9.58	20.65	7.93	0.00	7.93
18.10	9.46	0.00	9.46	20.70	7.90	0.00	7.90
18.15	9.36	0.00	9.36	20.75	7.85	0.00	7.85

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	7.82	0.00	7.82	23.40	6.35	0.00	6.35
20.85	7.78	0.00	7.78	23.45	6.34	0.00	6.34
20.90	7.75	0.00	7.75	23.50	6.31	0.00	6.31
20.95	7.73	0.00	7.73	23.55	6.26	0.00	6.26
21.00	7.70	0.00	7.70	23.60	6.23	0.00	6.23
21.05	7.67	0.00	7.67	23.65	6.20	0.00	6.20
21.10	7.64	0.00	7.64	23.70	6.18	0.00	6.18
21.15	7.61	0.00	7.61	23.75	6.17	0.00	6.17
21.20	7.58	0.00	7.58	23.80	6.14	0.00	6.14
21.25	7.56	0.00	7.56	23.85	6.09	0.00	6.09
21.30	7.54	0.00	7.54	23.90	6.06	0.00	6.06
21.35	7.53	0.00	7.53	23.95	6.10	0.00	6.10
21.40	7.50	0.00	7.50	24.00	6.46	0.00	6.46
21.45	7.46	0.00	7.46	24.05	6.56	0.00	6.56
21.50	7.42	0.00	7.42	24.10	4.91	0.00	4.91
21.55	7.39	0.00	7.39	24.15	2.52	0.00	2.52
21.60	7.36	0.00	7.36	24.20	1.10	0.00	1.10
21.65	7.33	0.00	7.33	24.25	0.48	0.00	0.48
21.70	7.30	0.00	7.30	24.30	0.21	0.00	0.21
21.75	7.28	0.00	7.28	24.35	0.09	0.00	0.09
21.80	7.26	0.00	7.26	24.40	0.03	0.00	0.03
21.85	7.25	0.00	7.25	24.45	0.01	0.00	0.01
21.90	7.22	0.00	7.22	24.50	0.00	0.00	0.00
21.95	7.18	0.00	7.18	24.55	0.00	0.00	0.00
22.00	7.14	0.00	7.14	24.60	0.00	0.00	0.00
22.05	7.11	0.00	7.11	24.65	0.00	0.00	0.00
22.10	7.08	0.00	7.08	24.70	0.00	0.00	0.00
22.15	7.05	0.00	7.05	24.75	0.00	0.00	0.00
22.20	7.04	0.00	7.04	24.80	0.00	0.00	0.00
22.25	7.02	0.00	7.02	24.85	0.00	0.00	0.00
22.30	6.99	0.00	6.99	24.90	0.00	0.00	0.00
22.35	6.95	0.00	6.95	24.95	0.00	0.00	0.00
22.40	6.91	0.00	6.91	25.00	0.00	0.00	0.00
22.45	6.88	0.00	6.88	25.05	0.00	0.00	0.00
22.50	6.85	0.00	6.85	25.10	0.00	0.00	0.00
22.55	6.82	0.00	6.82	25.15	0.00	0.00	0.00
22.60	6.81	0.00	6.81	25.20	0.00	0.00	0.00
22.65	6.80	0.00	6.80	25.25	0.00	0.00	0.00
22.70	6.76	0.00	6.76	25.30	0.00	0.00	0.00
22.75	6.72	0.00	6.72	25.35	0.00	0.00	0.00
22.80	6.68	0.00	6.68	25.40	0.00	0.00	0.00
22.85	6.65	0.00	6.65	25.45	0.00	0.00	0.00
22.90	6.62	0.00	6.62	25.50	0.00	0.00	0.00
22.95	6.59	0.00	6.59	25.55	0.00	0.00	0.00
23.00	6.58	0.00	6.58	25.60	0.00	0.00	0.00
23.05	6.57	0.00	6.57	25.65	0.00	0.00	0.00
23.10	6.54	0.00	6.54	25.70	0.00	0.00	0.00
23.15	6.49	0.00	6.49	25.75	0.00	0.00	0.00
23.20	6.45	0.00	6.45	25.80	0.00	0.00	0.00
23.25	6.42	0.00	6.42	25.85	0.00	0.00	0.00
23.30	6.39	0.00	6.39	25.90	0.00	0.00	0.00
23.35	6.37	0.00	6.37	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

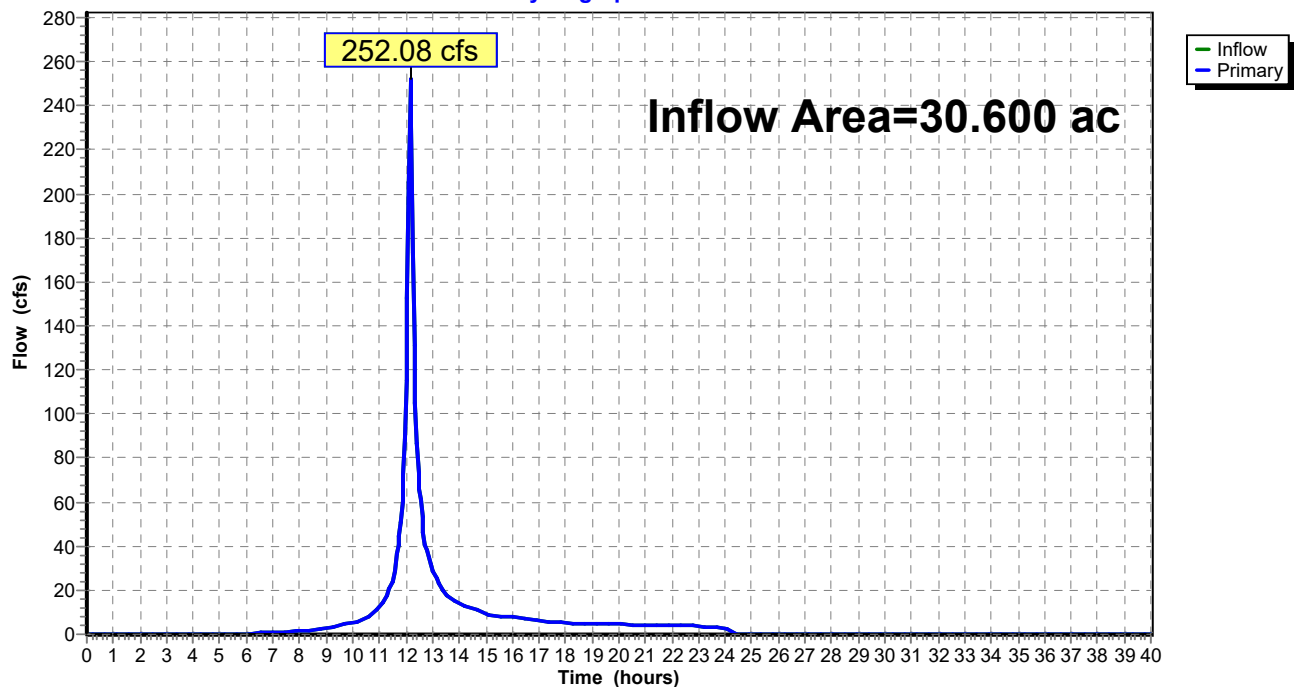
Summary for Link XDA-60: XDA-60

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 7.26" for Future 100 yr event
Inflow = 252.08 cfs @ 12.16 hrs, Volume= 18.505 af
Primary = 252.08 cfs @ 12.16 hrs, Volume= 18.505 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-60: XDA-60

Hydrograph



Hydrograph for Link XDA-60: XDA-60

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	2.60	0.09	0.00	0.09
0.05	0.00	0.00	0.00	2.65	0.09	0.00	0.09
0.10	0.00	0.00	0.00	2.70	0.09	0.00	0.09
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.10	0.00	0.10
0.55	0.01	0.00	0.01	3.15	0.10	0.00	0.10
0.60	0.01	0.00	0.01	3.20	0.10	0.00	0.10
0.65	0.02	0.00	0.02	3.25	0.10	0.00	0.10
0.70	0.02	0.00	0.02	3.30	0.10	0.00	0.10
0.75	0.02	0.00	0.02	3.35	0.10	0.00	0.10
0.80	0.03	0.00	0.03	3.40	0.10	0.00	0.10
0.85	0.03	0.00	0.03	3.45	0.10	0.00	0.10
0.90	0.03	0.00	0.03	3.50	0.10	0.00	0.10
0.95	0.04	0.00	0.04	3.55	0.10	0.00	0.10
1.00	0.04	0.00	0.04	3.60	0.10	0.00	0.10
1.05	0.04	0.00	0.04	3.65	0.10	0.00	0.10
1.10	0.04	0.00	0.04	3.70	0.10	0.00	0.10
1.15	0.05	0.00	0.05	3.75	0.10	0.00	0.10
1.20	0.05	0.00	0.05	3.80	0.11	0.00	0.11
1.25	0.05	0.00	0.05	3.85	0.11	0.00	0.11
1.30	0.05	0.00	0.05	3.90	0.11	0.00	0.11
1.35	0.05	0.00	0.05	3.95	0.11	0.00	0.11
1.40	0.06	0.00	0.06	4.00	0.11	0.00	0.11
1.45	0.06	0.00	0.06	4.05	0.11	0.00	0.11
1.50	0.06	0.00	0.06	4.10	0.11	0.00	0.11
1.55	0.06	0.00	0.06	4.15	0.11	0.00	0.11
1.60	0.06	0.00	0.06	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.07	0.00	0.07	4.30	0.11	0.00	0.11
1.75	0.07	0.00	0.07	4.35	0.11	0.00	0.11
1.80	0.07	0.00	0.07	4.40	0.11	0.00	0.11
1.85	0.07	0.00	0.07	4.45	0.11	0.00	0.11
1.90	0.07	0.00	0.07	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.12	0.00	0.12
2.05	0.08	0.00	0.08	4.65	0.12	0.00	0.12
2.10	0.08	0.00	0.08	4.70	0.12	0.00	0.12
2.15	0.08	0.00	0.08	4.75	0.12	0.00	0.12
2.20	0.08	0.00	0.08	4.80	0.12	0.00	0.12
2.25	0.08	0.00	0.08	4.85	0.12	0.00	0.12
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.09	0.00	0.09	5.10	0.12	0.00	0.12
2.55	0.09	0.00	0.09	5.15	0.12	0.00	0.12

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	1.37	0.00	1.37
5.25	0.12	0.00	0.12	7.85	1.42	0.00	1.42
5.30	0.12	0.00	0.12	7.90	1.47	0.00	1.47
5.35	0.12	0.00	0.12	7.95	1.52	0.00	1.52
5.40	0.12	0.00	0.12	8.00	1.57	0.00	1.57
5.45	0.12	0.00	0.12	8.05	1.62	0.00	1.62
5.50	0.12	0.00	0.12	8.10	1.67	0.00	1.67
5.55	0.13	0.00	0.13	8.15	1.71	0.00	1.71
5.60	0.13	0.00	0.13	8.20	1.77	0.00	1.77
5.65	0.13	0.00	0.13	8.25	1.82	0.00	1.82
5.70	0.13	0.00	0.13	8.30	1.87	0.00	1.87
5.75	0.13	0.00	0.13	8.35	1.92	0.00	1.92
5.80	0.13	0.00	0.13	8.40	1.98	0.00	1.98
5.85	0.13	0.00	0.13	8.45	2.03	0.00	2.03
5.90	0.13	0.00	0.13	8.50	2.09	0.00	2.09
5.95	0.13	0.00	0.13	8.55	2.14	0.00	2.14
6.00	0.13	0.00	0.13	8.60	2.20	0.00	2.20
6.05	0.15	0.00	0.15	8.65	2.26	0.00	2.26
6.10	0.16	0.00	0.16	8.70	2.31	0.00	2.31
6.15	0.19	0.00	0.19	8.75	2.37	0.00	2.37
6.20	0.21	0.00	0.21	8.80	2.43	0.00	2.43
6.25	0.24	0.00	0.24	8.85	2.49	0.00	2.49
6.30	0.26	0.00	0.26	8.90	2.54	0.00	2.54
6.35	0.29	0.00	0.29	8.95	2.60	0.00	2.60
6.40	0.32	0.00	0.32	9.00	2.67	0.00	2.67
6.45	0.35	0.00	0.35	9.05	2.74	0.00	2.74
6.50	0.38	0.00	0.38	9.10	2.83	0.00	2.83
6.55	0.41	0.00	0.41	9.15	2.93	0.00	2.93
6.60	0.44	0.00	0.44	9.20	3.05	0.00	3.05
6.65	0.47	0.00	0.47	9.25	3.17	0.00	3.17
6.70	0.50	0.00	0.50	9.30	3.30	0.00	3.30
6.75	0.53	0.00	0.53	9.35	3.43	0.00	3.43
6.80	0.56	0.00	0.56	9.40	3.56	0.00	3.56
6.85	0.60	0.00	0.60	9.45	3.70	0.00	3.70
6.90	0.63	0.00	0.63	9.50	3.83	0.00	3.83
6.95	0.67	0.00	0.67	9.55	3.98	0.00	3.98
7.00	0.71	0.00	0.71	9.60	4.13	0.00	4.13
7.05	0.74	0.00	0.74	9.65	4.28	0.00	4.28
7.10	0.78	0.00	0.78	9.70	4.43	0.00	4.43
7.15	0.82	0.00	0.82	9.75	4.58	0.00	4.58
7.20	0.86	0.00	0.86	9.80	4.74	0.00	4.74
7.25	0.90	0.00	0.90	9.85	4.90	0.00	4.90
7.30	0.94	0.00	0.94	9.90	5.07	0.00	5.07
7.35	0.98	0.00	0.98	9.95	5.24	0.00	5.24
7.40	1.02	0.00	1.02	10.00	5.41	0.00	5.41
7.45	1.06	0.00	1.06	10.05	5.58	0.00	5.58
7.50	1.10	0.00	1.10	10.10	5.76	0.00	5.76
7.55	1.15	0.00	1.15	10.15	5.93	0.00	5.93
7.60	1.19	0.00	1.19	10.20	6.12	0.00	6.12
7.65	1.23	0.00	1.23	10.25	6.31	0.00	6.31
7.70	1.28	0.00	1.28	10.30	6.50	0.00	6.50
7.75	1.33	0.00	1.33	10.35	6.69	0.00	6.69

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.88	0.00	6.88	13.00	29.40	0.00	29.40
10.45	7.08	0.00	7.08	13.05	27.87	0.00	27.87
10.50	7.28	0.00	7.28	13.10	26.30	0.00	26.30
10.55	7.52	0.00	7.52	13.15	24.83	0.00	24.83
10.60	7.91	0.00	7.91	13.20	23.63	0.00	23.63
10.65	8.37	0.00	8.37	13.25	22.64	0.00	22.64
10.70	8.90	0.00	8.90	13.30	21.74	0.00	21.74
10.75	9.45	0.00	9.45	13.35	20.88	0.00	20.88
10.80	10.04	0.00	10.04	13.40	20.02	0.00	20.02
10.85	10.64	0.00	10.64	13.45	19.18	0.00	19.18
10.90	11.26	0.00	11.26	13.50	18.33	0.00	18.33
10.95	11.89	0.00	11.89	13.55	17.49	0.00	17.49
11.00	12.55	0.00	12.55	13.60	16.64	0.00	16.64
11.05	13.26	0.00	13.26	13.65	15.87	0.00	15.87
11.10	14.19	0.00	14.19	13.70	15.34	0.00	15.34
11.15	15.24	0.00	15.24	13.75	14.98	0.00	14.98
11.20	16.40	0.00	16.40	13.80	14.70	0.00	14.70
11.25	17.59	0.00	17.59	13.85	14.46	0.00	14.46
11.30	18.86	0.00	18.86	13.90	14.23	0.00	14.23
11.35	20.14	0.00	20.14	13.95	14.02	0.00	14.02
11.40	21.49	0.00	21.49	14.00	13.80	0.00	13.80
11.45	22.82	0.00	22.82	14.05	13.58	0.00	13.58
11.50	24.12	0.00	24.12	14.10	13.35	0.00	13.35
11.55	26.02	0.00	26.02	14.15	13.13	0.00	13.13
11.60	30.72	0.00	30.72	14.20	12.92	0.00	12.92
11.65	36.59	0.00	36.59	14.25	12.71	0.00	12.71
11.70	40.94	0.00	40.94	14.30	12.48	0.00	12.48
11.75	44.72	0.00	44.72	14.35	12.26	0.00	12.26
11.80	51.26	0.00	51.26	14.40	12.03	0.00	12.03
11.85	60.11	0.00	60.11	14.45	11.81	0.00	11.81
11.90	72.13	0.00	72.13	14.50	11.59	0.00	11.59
11.95	88.13	0.00	88.13	14.55	11.38	0.00	11.38
12.00	115.50	0.00	115.50	14.60	11.15	0.00	11.15
12.05	152.46	0.00	152.46	14.65	10.93	0.00	10.93
12.10	205.35	0.00	205.35	14.70	10.70	0.00	10.70
12.15	250.90	0.00	250.90	14.75	10.47	0.00	10.47
12.20	230.36	0.00	230.36	14.80	10.26	0.00	10.26
12.25	173.70	0.00	173.70	14.85	10.04	0.00	10.04
12.30	131.31	0.00	131.31	14.90	9.81	0.00	9.81
12.35	104.94	0.00	104.94	14.95	9.58	0.00	9.58
12.40	86.49	0.00	86.49	15.00	9.35	0.00	9.35
12.45	73.32	0.00	73.32	15.05	9.13	0.00	9.13
12.50	65.77	0.00	65.77	15.10	8.91	0.00	8.91
12.55	60.88	0.00	60.88	15.15	8.71	0.00	8.71
12.60	53.61	0.00	53.61	15.20	8.57	0.00	8.57
12.65	45.75	0.00	45.75	15.25	8.47	0.00	8.47
12.70	40.78	0.00	40.78	15.30	8.39	0.00	8.39
12.75	37.99	0.00	37.99	15.35	8.32	0.00	8.32
12.80	35.92	0.00	35.92	15.40	8.27	0.00	8.27
12.85	34.19	0.00	34.19	15.45	8.22	0.00	8.22
12.90	32.54	0.00	32.54	15.50	8.16	0.00	8.16
12.95	30.98	0.00	30.98	15.55	8.09	0.00	8.09

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.04	0.00	8.04	18.20	4.97	0.00	4.97
15.65	7.99	0.00	7.99	18.25	4.94	0.00	4.94
15.70	7.92	0.00	7.92	18.30	4.92	0.00	4.92
15.75	7.86	0.00	7.86	18.35	4.91	0.00	4.91
15.80	7.79	0.00	7.79	18.40	4.89	0.00	4.89
15.85	7.73	0.00	7.73	18.45	4.88	0.00	4.88
15.90	7.68	0.00	7.68	18.50	4.86	0.00	4.86
15.95	7.63	0.00	7.63	18.55	4.85	0.00	4.85
16.00	7.57	0.00	7.57	18.60	4.83	0.00	4.83
16.05	7.50	0.00	7.50	18.65	4.82	0.00	4.82
16.10	7.45	0.00	7.45	18.70	4.80	0.00	4.80
16.15	7.40	0.00	7.40	18.75	4.79	0.00	4.79
16.20	7.34	0.00	7.34	18.80	4.77	0.00	4.77
16.25	7.28	0.00	7.28	18.85	4.76	0.00	4.76
16.30	7.22	0.00	7.22	18.90	4.74	0.00	4.74
16.35	7.15	0.00	7.15	18.95	4.73	0.00	4.73
16.40	7.09	0.00	7.09	19.00	4.71	0.00	4.71
16.45	7.04	0.00	7.04	19.05	4.70	0.00	4.70
16.50	6.97	0.00	6.97	19.10	4.68	0.00	4.68
16.55	6.91	0.00	6.91	19.15	4.67	0.00	4.67
16.60	6.85	0.00	6.85	19.20	4.65	0.00	4.65
16.65	6.80	0.00	6.80	19.25	4.64	0.00	4.64
16.70	6.75	0.00	6.75	19.30	4.62	0.00	4.62
16.75	6.69	0.00	6.69	19.35	4.61	0.00	4.61
16.80	6.62	0.00	6.62	19.40	4.59	0.00	4.59
16.85	6.55	0.00	6.55	19.45	4.58	0.00	4.58
16.90	6.49	0.00	6.49	19.50	4.56	0.00	4.56
16.95	6.44	0.00	6.44	19.55	4.55	0.00	4.55
17.00	6.39	0.00	6.39	19.60	4.53	0.00	4.53
17.05	6.33	0.00	6.33	19.65	4.52	0.00	4.52
17.10	6.27	0.00	6.27	19.70	4.51	0.00	4.51
17.15	6.21	0.00	6.21	19.75	4.49	0.00	4.49
17.20	6.15	0.00	6.15	19.80	4.49	0.00	4.49
17.25	6.09	0.00	6.09	19.85	4.48	0.00	4.48
17.30	6.02	0.00	6.02	19.90	4.46	0.00	4.46
17.35	5.95	0.00	5.95	19.95	4.44	0.00	4.44
17.40	5.89	0.00	5.89	20.00	4.42	0.00	4.42
17.45	5.84	0.00	5.84	20.05	4.40	0.00	4.40
17.50	5.78	0.00	5.78	20.10	4.39	0.00	4.39
17.55	5.73	0.00	5.73	20.15	4.37	0.00	4.37
17.60	5.66	0.00	5.66	20.20	4.36	0.00	4.36
17.65	5.61	0.00	5.61	20.25	4.34	0.00	4.34
17.70	5.54	0.00	5.54	20.30	4.33	0.00	4.33
17.75	5.49	0.00	5.49	20.35	4.31	0.00	4.31
17.80	5.42	0.00	5.42	20.40	4.30	0.00	4.30
17.85	5.36	0.00	5.36	20.45	4.28	0.00	4.28
17.90	5.30	0.00	5.30	20.50	4.27	0.00	4.27
17.95	5.24	0.00	5.24	20.55	4.25	0.00	4.25
18.00	5.18	0.00	5.18	20.60	4.25	0.00	4.25
18.05	5.12	0.00	5.12	20.65	4.24	0.00	4.24
18.10	5.06	0.00	5.06	20.70	4.22	0.00	4.22
18.15	5.00	0.00	5.00	20.75	4.20	0.00	4.20

Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.18	0.00	4.18	23.40	3.40	0.00	3.40
20.85	4.16	0.00	4.16	23.45	3.39	0.00	3.39
20.90	4.15	0.00	4.15	23.50	3.37	0.00	3.37
20.95	4.13	0.00	4.13	23.55	3.35	0.00	3.35
21.00	4.12	0.00	4.12	23.60	3.33	0.00	3.33
21.05	4.10	0.00	4.10	23.65	3.31	0.00	3.31
21.10	4.09	0.00	4.09	23.70	3.31	0.00	3.31
21.15	4.07	0.00	4.07	23.75	3.30	0.00	3.30
21.20	4.06	0.00	4.06	23.80	3.28	0.00	3.28
21.25	4.04	0.00	4.04	23.85	3.26	0.00	3.26
21.30	4.03	0.00	4.03	23.90	3.24	0.00	3.24
21.35	4.03	0.00	4.03	23.95	3.26	0.00	3.26
21.40	4.01	0.00	4.01	24.00	3.46	0.00	3.46
21.45	3.99	0.00	3.99	24.05	3.51	0.00	3.51
21.50	3.97	0.00	3.97	24.10	2.63	0.00	2.63
21.55	3.95	0.00	3.95	24.15	1.35	0.00	1.35
21.60	3.94	0.00	3.94	24.20	0.59	0.00	0.59
21.65	3.92	0.00	3.92	24.25	0.26	0.00	0.26
21.70	3.90	0.00	3.90	24.30	0.11	0.00	0.11
21.75	3.89	0.00	3.89	24.35	0.05	0.00	0.05
21.80	3.88	0.00	3.88	24.40	0.02	0.00	0.02
21.85	3.88	0.00	3.88	24.45	0.00	0.00	0.00
21.90	3.86	0.00	3.86	24.50	0.00	0.00	0.00
21.95	3.84	0.00	3.84	24.55	0.00	0.00	0.00
22.00	3.82	0.00	3.82	24.60	0.00	0.00	0.00
22.05	3.80	0.00	3.80	24.65	0.00	0.00	0.00
22.10	3.78	0.00	3.78	24.70	0.00	0.00	0.00
22.15	3.77	0.00	3.77	24.75	0.00	0.00	0.00
22.20	3.76	0.00	3.76	24.80	0.00	0.00	0.00
22.25	3.76	0.00	3.76	24.85	0.00	0.00	0.00
22.30	3.74	0.00	3.74	24.90	0.00	0.00	0.00
22.35	3.72	0.00	3.72	24.95	0.00	0.00	0.00
22.40	3.70	0.00	3.70	25.00	0.00	0.00	0.00
22.45	3.68	0.00	3.68	25.05	0.00	0.00	0.00
22.50	3.66	0.00	3.66	25.10	0.00	0.00	0.00
22.55	3.65	0.00	3.65	25.15	0.00	0.00	0.00
22.60	3.64	0.00	3.64	25.20	0.00	0.00	0.00
22.65	3.63	0.00	3.63	25.25	0.00	0.00	0.00
22.70	3.62	0.00	3.62	25.30	0.00	0.00	0.00
22.75	3.59	0.00	3.59	25.35	0.00	0.00	0.00
22.80	3.57	0.00	3.57	25.40	0.00	0.00	0.00
22.85	3.56	0.00	3.56	25.45	0.00	0.00	0.00
22.90	3.54	0.00	3.54	25.50	0.00	0.00	0.00
22.95	3.53	0.00	3.53	25.55	0.00	0.00	0.00
23.00	3.52	0.00	3.52	25.60	0.00	0.00	0.00
23.05	3.51	0.00	3.51	25.65	0.00	0.00	0.00
23.10	3.50	0.00	3.50	25.70	0.00	0.00	0.00
23.15	3.47	0.00	3.47	25.75	0.00	0.00	0.00
23.20	3.45	0.00	3.45	25.80	0.00	0.00	0.00
23.25	3.44	0.00	3.44	25.85	0.00	0.00	0.00
23.30	3.42	0.00	3.42	25.90	0.00	0.00	0.00
23.35	3.40	0.00	3.40	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

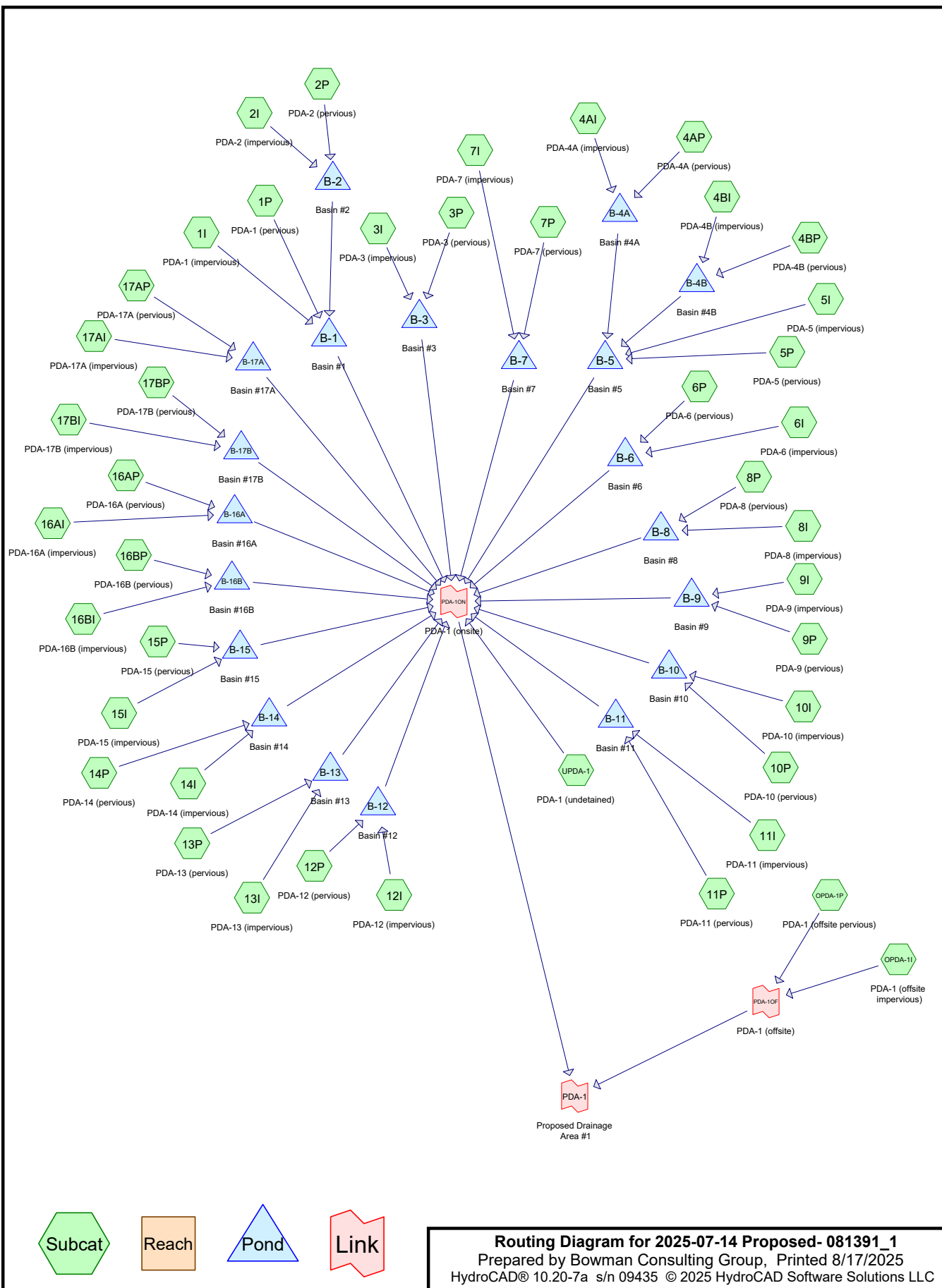
Hydrograph for Link XDA-60: XDA-60 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00	39.00	0.00	0.00	0.00
36.45	0.00	0.00	0.00	39.05	0.00	0.00	0.00
36.50	0.00	0.00	0.00	39.10	0.00	0.00	0.00
36.55	0.00	0.00	0.00	39.15	0.00	0.00	0.00
36.60	0.00	0.00	0.00	39.20	0.00	0.00	0.00
36.65	0.00	0.00	0.00	39.25	0.00	0.00	0.00
36.70	0.00	0.00	0.00	39.30	0.00	0.00	0.00
36.75	0.00	0.00	0.00	39.35	0.00	0.00	0.00
36.80	0.00	0.00	0.00	39.40	0.00	0.00	0.00
36.85	0.00	0.00	0.00	39.45	0.00	0.00	0.00
36.90	0.00	0.00	0.00	39.50	0.00	0.00	0.00
36.95	0.00	0.00	0.00	39.55	0.00	0.00	0.00
37.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00
37.05	0.00	0.00	0.00	39.65	0.00	0.00	0.00
37.10	0.00	0.00	0.00	39.70	0.00	0.00	0.00
37.15	0.00	0.00	0.00	39.75	0.00	0.00	0.00
37.20	0.00	0.00	0.00	39.80	0.00	0.00	0.00
37.25	0.00	0.00	0.00	39.85	0.00	0.00	0.00
37.30	0.00	0.00	0.00	39.90	0.00	0.00	0.00
37.35	0.00	0.00	0.00	39.95	0.00	0.00	0.00
37.40	0.00	0.00	0.00	40.00	0.00	0.00	0.00
37.45	0.00	0.00	0.00				
37.50	0.00	0.00	0.00				
37.55	0.00	0.00	0.00				
37.60	0.00	0.00	0.00				
37.65	0.00	0.00	0.00				
37.70	0.00	0.00	0.00				
37.75	0.00	0.00	0.00				
37.80	0.00	0.00	0.00				
37.85	0.00	0.00	0.00				
37.90	0.00	0.00	0.00				
37.95	0.00	0.00	0.00				
38.00	0.00	0.00	0.00				
38.05	0.00	0.00	0.00				
38.10	0.00	0.00	0.00				
38.15	0.00	0.00	0.00				
38.20	0.00	0.00	0.00				
38.25	0.00	0.00	0.00				
38.30	0.00	0.00	0.00				
38.35	0.00	0.00	0.00				
38.40	0.00	0.00	0.00				
38.45	0.00	0.00	0.00				
38.50	0.00	0.00	0.00				
38.55	0.00	0.00	0.00				
38.60	0.00	0.00	0.00				
38.65	0.00	0.00	0.00				
38.70	0.00	0.00	0.00				
38.75	0.00	0.00	0.00				
38.80	0.00	0.00	0.00				
38.85	0.00	0.00	0.00				
38.90	0.00	0.00	0.00				
38.95	0.00	0.00	0.00				

APPENDIX 3
TR-55 CALCULATIONS – PROPOSED CONDITIONS



2025-07-14 Proposed- 081391_1

Prepared by Bowman Consulting Group

Printed 8/17/2025

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
58.038	74	>75% Grass cover, Good, HSG C (1P, 2P, 3P, 4AP, 4BP, 5P, 6P, 7P, 8P, 9P, 10P, 11P, 12P, 13P, 14P, 15P, 16AP, 16BP, 17AP, 17BP, OPDA-1P, UPDA-1)
1.245	98	Concrete, HSG C (2I, 3I, 4AI, 4BI, 6I, 7I, 9I, 10I, 11I, 12I, 13I, 14I, 15I, 16AI, 16BI)
0.907	98	Paved roads w/curbs & sewers, HSG C (11I)
4.536	92	Paved roads w/open ditches, 50% imp, HSG C (OPDA-1I)
6.769	98	Pavement, HSG C (2I, 3I, 4AI, 4BI, 6I, 7I, 9I, 10I, 12I, 13I, 14I, 15I, 16AI, 16BI)
5.664	98	Roof, HSG C (2I, 6I, 8I, 9I, 10I, 12I, 13I, 14I, 15I, 16AI, 16BI, 17AI, 17BI)
0.367	98	Roofs (OPDA-1I)
0.231	98	Roofs, HSG C (11I)
0.257	98	Unconnected roofs, HSG C (3I)
8.540	55	Woods, Good, HSG B (OPDA-1P)
3.700	70	Woods, Good, HSG C (OPDA-1P)
0.094	77	Woods, Good, HSG D (OPDA-1P)
90.348	77	TOTAL AREA

Summary for Subcatchment 1I: PDA-1 (impervious)

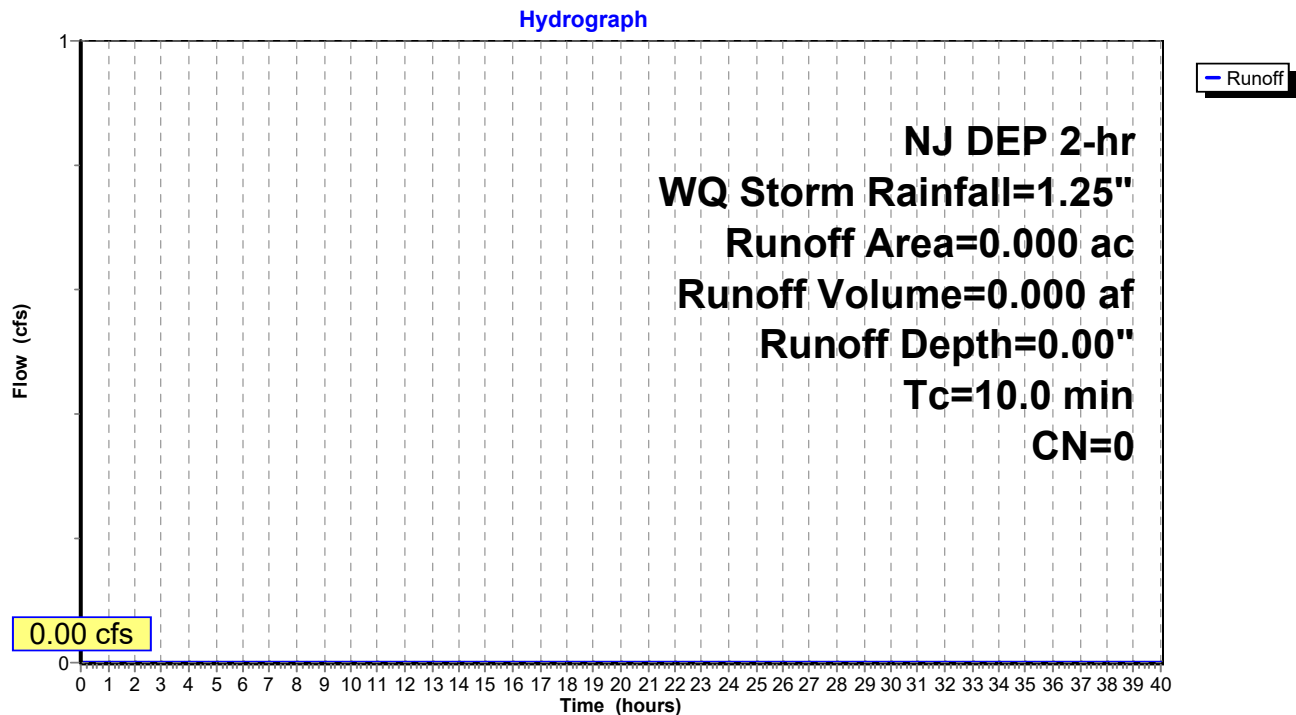
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.000	98	Pavement, HSG C
* 0.000	98	Concrete, HSG C
0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	1.25	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00	39.00	1.25	0.00	0.00
36.45	1.25	0.00	0.00	39.05	1.25	0.00	0.00
36.50	1.25	0.00	0.00	39.10	1.25	0.00	0.00
36.55	1.25	0.00	0.00	39.15	1.25	0.00	0.00
36.60	1.25	0.00	0.00	39.20	1.25	0.00	0.00
36.65	1.25	0.00	0.00	39.25	1.25	0.00	0.00
36.70	1.25	0.00	0.00	39.30	1.25	0.00	0.00
36.75	1.25	0.00	0.00	39.35	1.25	0.00	0.00
36.80	1.25	0.00	0.00	39.40	1.25	0.00	0.00
36.85	1.25	0.00	0.00	39.45	1.25	0.00	0.00
36.90	1.25	0.00	0.00	39.50	1.25	0.00	0.00
36.95	1.25	0.00	0.00	39.55	1.25	0.00	0.00
37.00	1.25	0.00	0.00	39.60	1.25	0.00	0.00
37.05	1.25	0.00	0.00	39.65	1.25	0.00	0.00
37.10	1.25	0.00	0.00	39.70	1.25	0.00	0.00
37.15	1.25	0.00	0.00	39.75	1.25	0.00	0.00
37.20	1.25	0.00	0.00	39.80	1.25	0.00	0.00
37.25	1.25	0.00	0.00	39.85	1.25	0.00	0.00
37.30	1.25	0.00	0.00	39.90	1.25	0.00	0.00
37.35	1.25	0.00	0.00	39.95	1.25	0.00	0.00
37.40	1.25	0.00	0.00	40.00	1.25	0.00	0.00
37.45	1.25	0.00	0.00				
37.50	1.25	0.00	0.00				
37.55	1.25	0.00	0.00				
37.60	1.25	0.00	0.00				
37.65	1.25	0.00	0.00				
37.70	1.25	0.00	0.00				
37.75	1.25	0.00	0.00				
37.80	1.25	0.00	0.00				
37.85	1.25	0.00	0.00				
37.90	1.25	0.00	0.00				
37.95	1.25	0.00	0.00				
38.00	1.25	0.00	0.00				
38.05	1.25	0.00	0.00				
38.10	1.25	0.00	0.00				
38.15	1.25	0.00	0.00				
38.20	1.25	0.00	0.00				
38.25	1.25	0.00	0.00				
38.30	1.25	0.00	0.00				
38.35	1.25	0.00	0.00				
38.40	1.25	0.00	0.00				
38.45	1.25	0.00	0.00				
38.50	1.25	0.00	0.00				
38.55	1.25	0.00	0.00				
38.60	1.25	0.00	0.00				
38.65	1.25	0.00	0.00				
38.70	1.25	0.00	0.00				
38.75	1.25	0.00	0.00				
38.80	1.25	0.00	0.00				
38.85	1.25	0.00	0.00				
38.90	1.25	0.00	0.00				
38.95	1.25	0.00	0.00				

Summary for Subcatchment 1P: PDA-1 (pervious)

Runoff = 0.12 cfs @ 1.27 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-1 : Basin #1

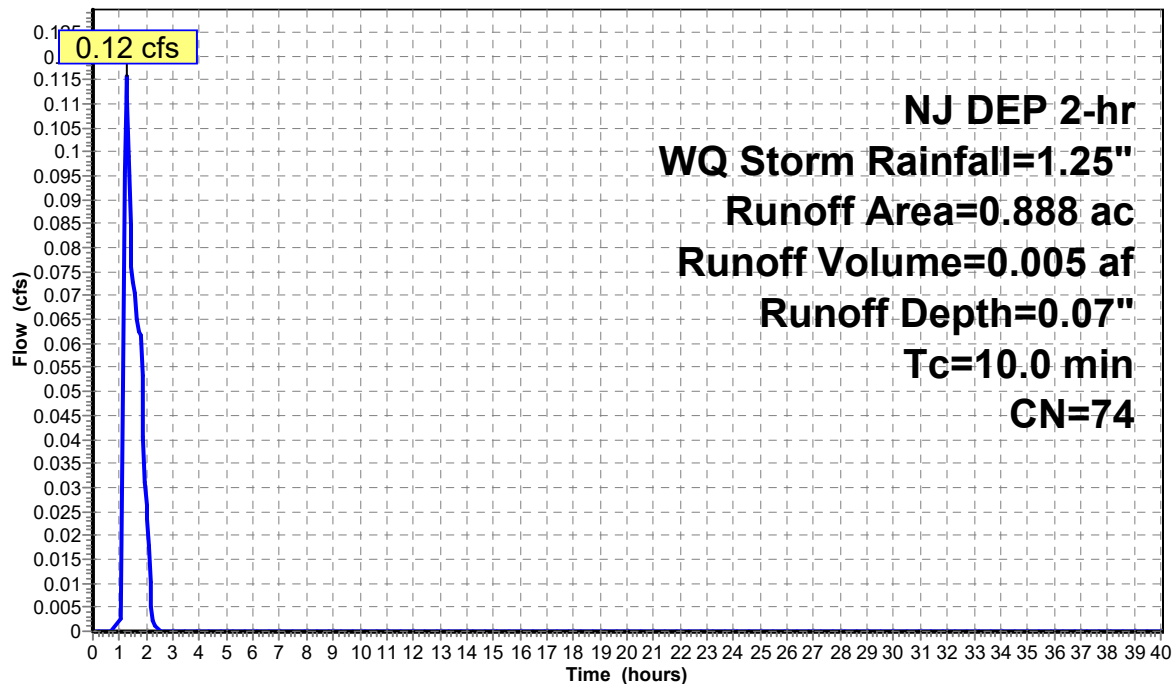
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 1P: PDA-1 (pervious)

Hydrograph



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.05	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.05	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 2I: PDA-2 (impervious)

Runoff = 1.87 cfs @ 1.15 hrs, Volume= 0.062 af, Depth= 1.03"
Routed to Pond B-2 : Basin #2

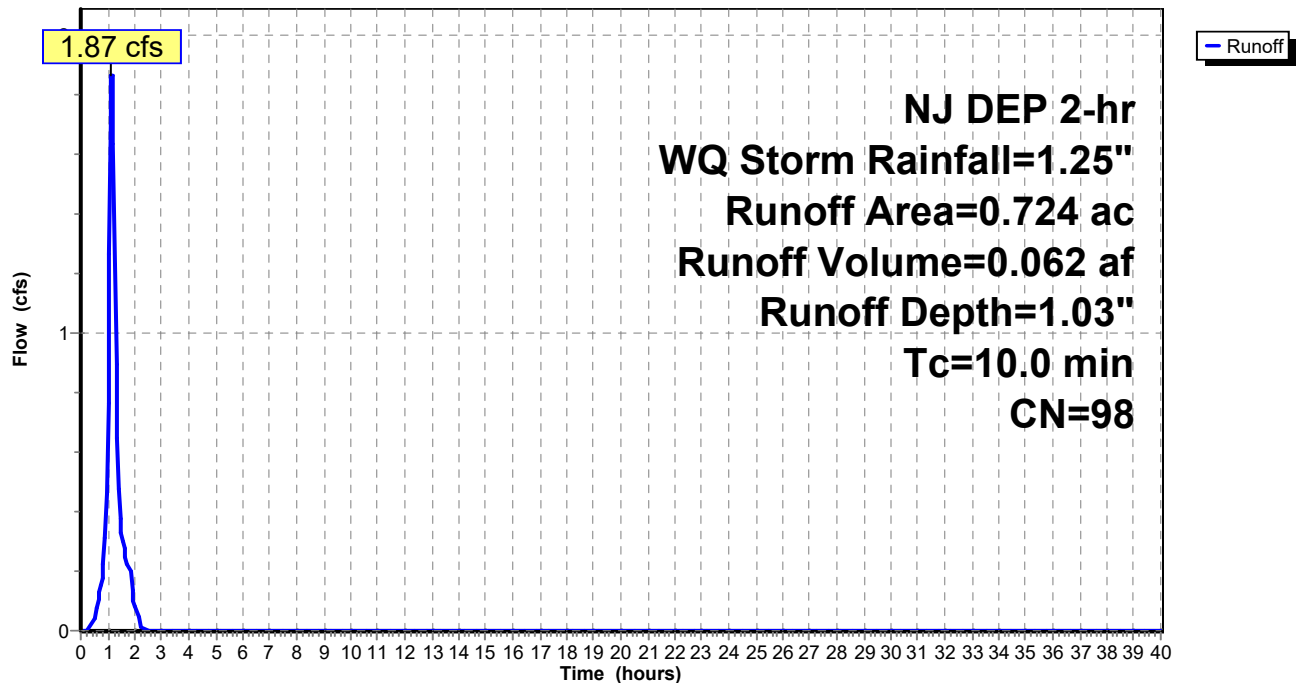
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.490	98	Roof, HSG C
* 0.196	98	Pavement, HSG C
* 0.038	98	Concrete, HSG C
0.724	98	Weighted Average
0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 2I: PDA-2 (impervious)

Hydrograph



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.03	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.05	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.08	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.10	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.13	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.15	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.18	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.22	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.31	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.46	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.77	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.26	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.70	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.86	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.63	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.23	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.89	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.65	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.48	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.38	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.33	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.30	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.27	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.25	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.23	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.22	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.21	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.18	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.14	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.10	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.09	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.08	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.06	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.03	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 2P: PDA-2 (pervious)

Runoff = 0.15 cfs @ 1.27 hrs, Volume= 0.007 af, Depth= 0.07"
Routed to Pond B-2 : Basin #2

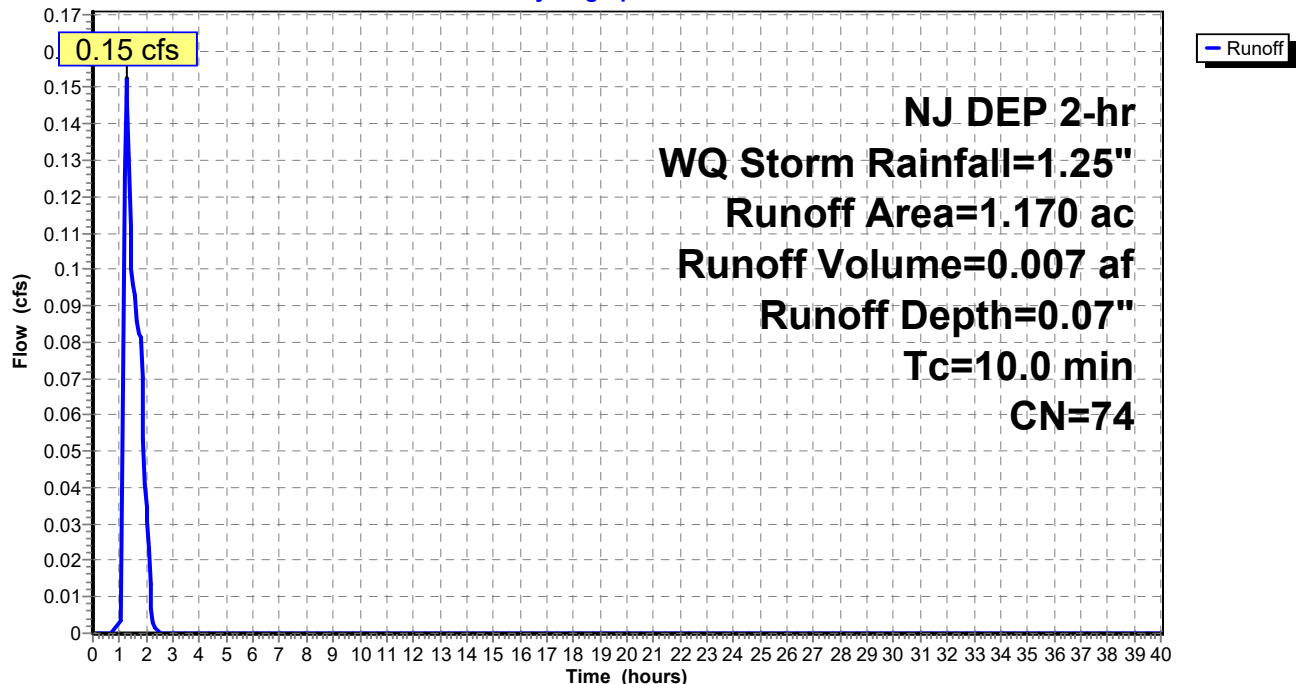
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 2P: PDA-2 (pervious)

Hydrograph



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.07	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.13	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.15	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.15	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.13	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.11	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.10	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.10	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.09	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.09	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.09	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.08	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.08	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.08	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.07	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 3I: PDA-3 (impervious)

Runoff = 1.54 cfs @ 1.15 hrs, Volume= 0.051 af, Depth= 1.03"
Routed to Pond B-3 : Basin #3

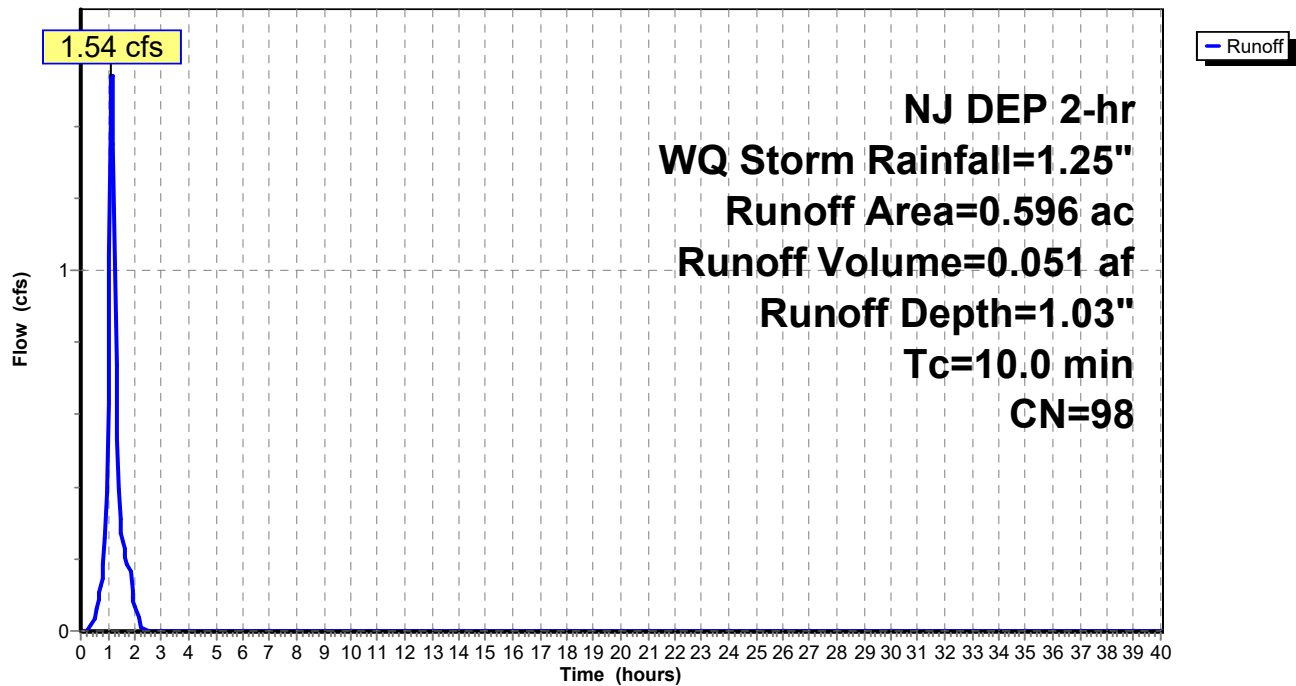
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.304	98	Pavement, HSG C
* 0.035	98	Concrete, HSG C
0.257	98	Unconnected roofs, HSG C
0.596	98	Weighted Average
0.596		100.00% Impervious Area
0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 3I: PDA-3 (impervious)

Hydrograph



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.03	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.04	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.06	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.09	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.11	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.12	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.14	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.18	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.26	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.38	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.63	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.04	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.40	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.53	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.35	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.01	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.73	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.53	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.39	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.31	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.27	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.25	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.23	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.20	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.19	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.18	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.17	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.15	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.11	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.08	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.07	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.06	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.05	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.03	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.01	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 3P: PDA-3 (pervious)

Runoff = 0.12 cfs @ 1.27 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-3 : Basin #3

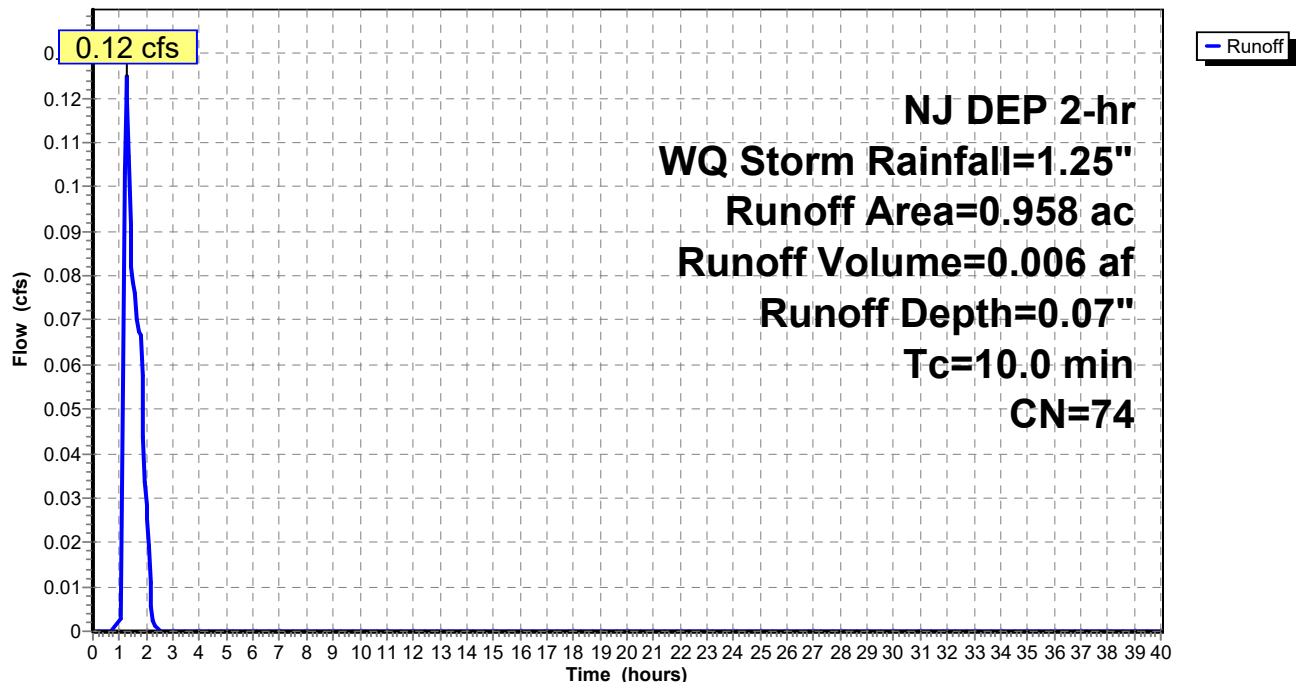
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 3P: PDA-3 (pervious)

Hydrograph



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.06	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.12	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.12	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 4AI: PDA-4A (impervious)

Runoff = 2.22 cfs @ 1.15 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-4A : Basin #4A

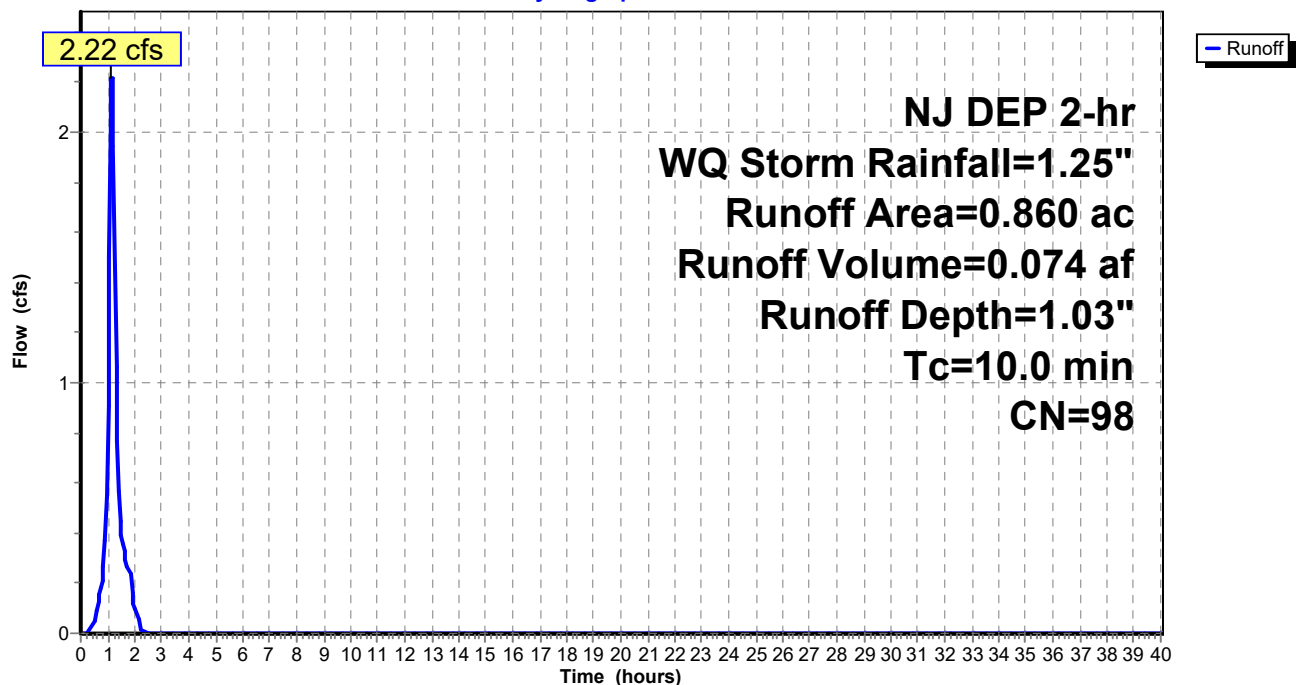
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.742	98	Pavement, HSG C
* 0.118	98	Concrete, HSG C
0.860	98	Weighted Average
0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 4AI: PDA-4A (impervious)

Hydrograph



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.12	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.15	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.18	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.27	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.37	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.55	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.91	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.50	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.02	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.21	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.94	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.46	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.06	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.77	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.57	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.45	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.39	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.36	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.33	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.29	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.27	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.26	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.25	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.22	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.16	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.12	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.10	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.09	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.07	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 4AP: PDA-4A (pervious)

Runoff = 0.19 cfs @ 1.27 hrs, Volume= 0.009 af, Depth= 0.07"
 Routed to Pond B-4A : Basin #4A

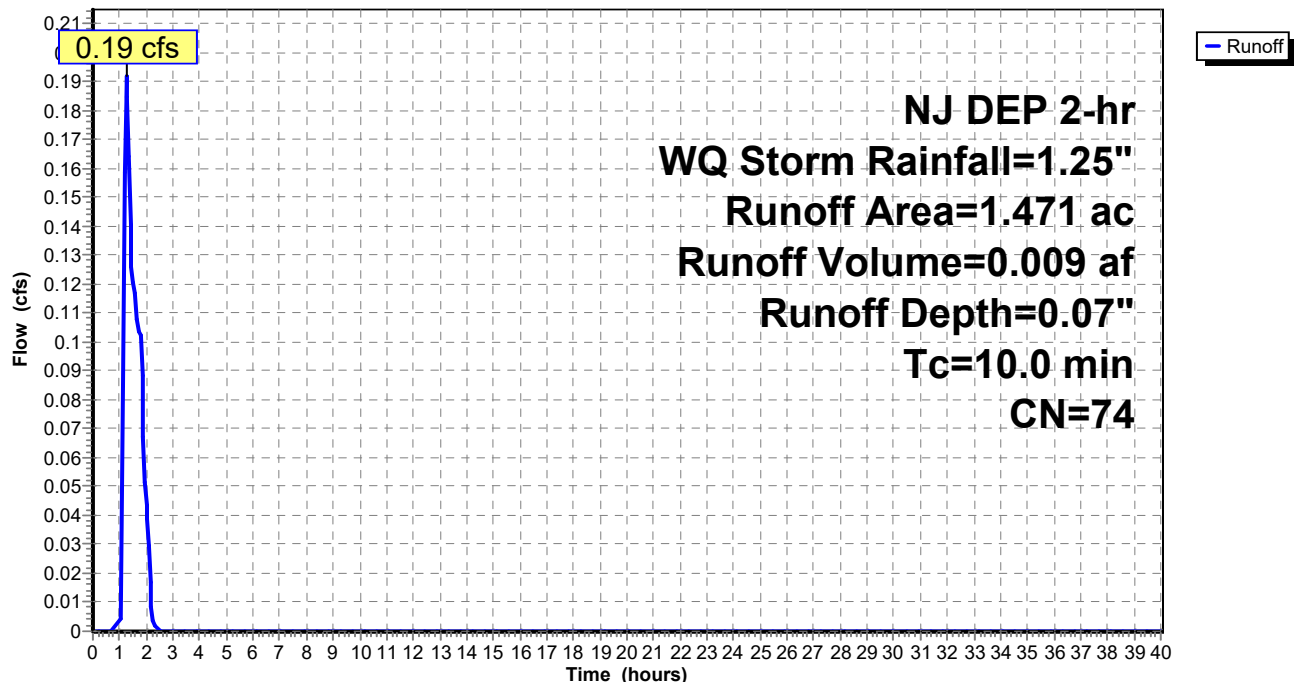
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 4AP: PDA-4A (pervious)

Hydrograph



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.08	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.16	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.19	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.18	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.16	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.14	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.13	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.12	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.12	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.11	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.11	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.10	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.10	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.10	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.09	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.07	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.05	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 4BI: PDA-4B (impervious)

Runoff = 2.22 cfs @ 1.15 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-4B : Basin #4B

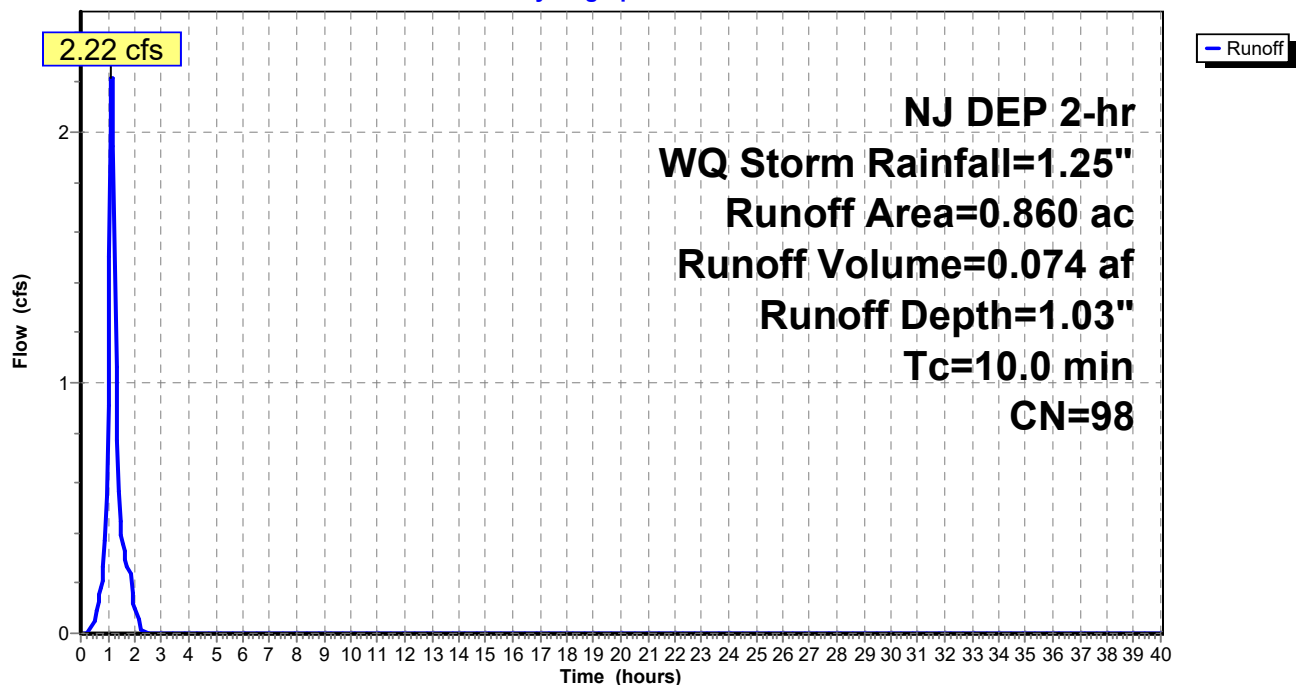
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.742	98	Pavement, HSG C
* 0.118	98	Concrete, HSG C
0.860	98	Weighted Average
0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 4BI: PDA-4B (impervious)

Hydrograph



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.12	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.15	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.18	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.27	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.37	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.55	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.91	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.50	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.02	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.21	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.94	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.46	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.06	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.77	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.57	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.45	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.39	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.36	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.33	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.29	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.27	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.26	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.25	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.22	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.16	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.12	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.10	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.09	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.07	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 4BP: PDA-4B (pervious)

Runoff = 0.19 cfs @ 1.27 hrs, Volume= 0.009 af, Depth= 0.07"
 Routed to Pond B-4B : Basin #4B

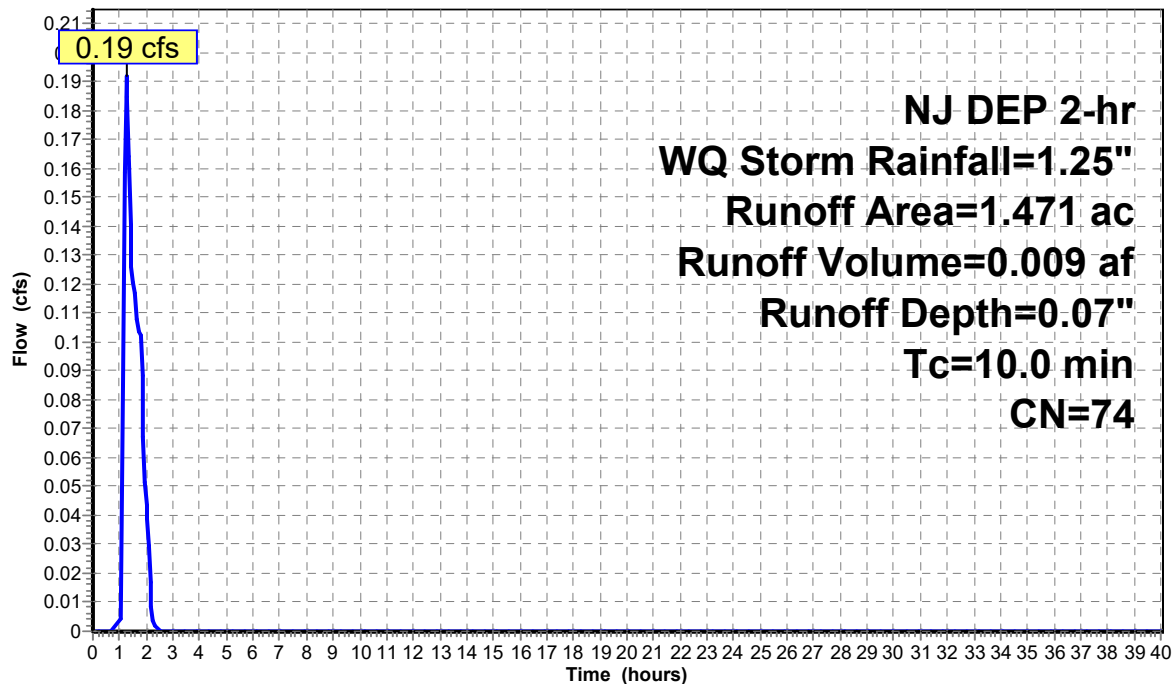
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 4BP: PDA-4B (pervious)

Hydrograph



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.08	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.16	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.19	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.18	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.16	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.14	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.13	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.12	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.12	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.11	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.11	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.10	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.10	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.10	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.09	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.07	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.05	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 5I: PDA-5 (impervious)

Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

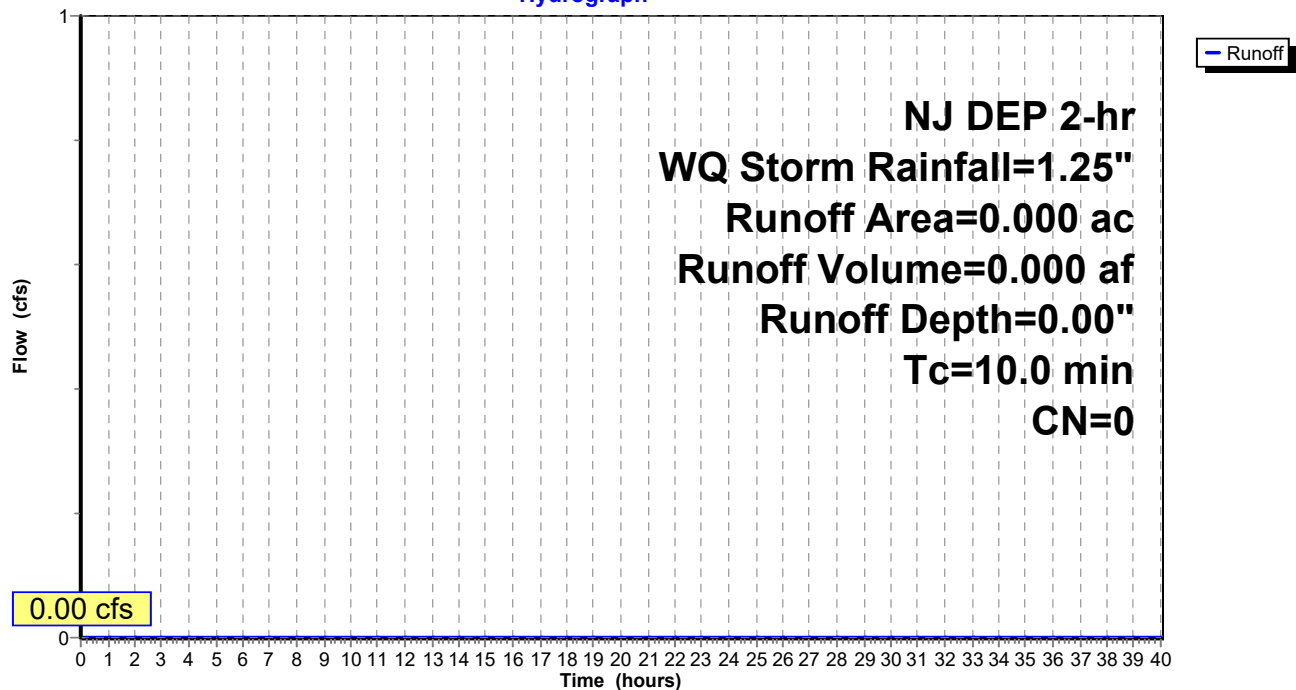
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.000	98	Pavement, HSG C
* 0.000	98	Concrete, HSG C
0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 5I: PDA-5 (impervious)

Hydrograph



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	1.25	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00	39.00	1.25	0.00	0.00
36.45	1.25	0.00	0.00	39.05	1.25	0.00	0.00
36.50	1.25	0.00	0.00	39.10	1.25	0.00	0.00
36.55	1.25	0.00	0.00	39.15	1.25	0.00	0.00
36.60	1.25	0.00	0.00	39.20	1.25	0.00	0.00
36.65	1.25	0.00	0.00	39.25	1.25	0.00	0.00
36.70	1.25	0.00	0.00	39.30	1.25	0.00	0.00
36.75	1.25	0.00	0.00	39.35	1.25	0.00	0.00
36.80	1.25	0.00	0.00	39.40	1.25	0.00	0.00
36.85	1.25	0.00	0.00	39.45	1.25	0.00	0.00
36.90	1.25	0.00	0.00	39.50	1.25	0.00	0.00
36.95	1.25	0.00	0.00	39.55	1.25	0.00	0.00
37.00	1.25	0.00	0.00	39.60	1.25	0.00	0.00
37.05	1.25	0.00	0.00	39.65	1.25	0.00	0.00
37.10	1.25	0.00	0.00	39.70	1.25	0.00	0.00
37.15	1.25	0.00	0.00	39.75	1.25	0.00	0.00
37.20	1.25	0.00	0.00	39.80	1.25	0.00	0.00
37.25	1.25	0.00	0.00	39.85	1.25	0.00	0.00
37.30	1.25	0.00	0.00	39.90	1.25	0.00	0.00
37.35	1.25	0.00	0.00	39.95	1.25	0.00	0.00
37.40	1.25	0.00	0.00	40.00	1.25	0.00	0.00
37.45	1.25	0.00	0.00				
37.50	1.25	0.00	0.00				
37.55	1.25	0.00	0.00				
37.60	1.25	0.00	0.00				
37.65	1.25	0.00	0.00				
37.70	1.25	0.00	0.00				
37.75	1.25	0.00	0.00				
37.80	1.25	0.00	0.00				
37.85	1.25	0.00	0.00				
37.90	1.25	0.00	0.00				
37.95	1.25	0.00	0.00				
38.00	1.25	0.00	0.00				
38.05	1.25	0.00	0.00				
38.10	1.25	0.00	0.00				
38.15	1.25	0.00	0.00				
38.20	1.25	0.00	0.00				
38.25	1.25	0.00	0.00				
38.30	1.25	0.00	0.00				
38.35	1.25	0.00	0.00				
38.40	1.25	0.00	0.00				
38.45	1.25	0.00	0.00				
38.50	1.25	0.00	0.00				
38.55	1.25	0.00	0.00				
38.60	1.25	0.00	0.00				
38.65	1.25	0.00	0.00				
38.70	1.25	0.00	0.00				
38.75	1.25	0.00	0.00				
38.80	1.25	0.00	0.00				
38.85	1.25	0.00	0.00				
38.90	1.25	0.00	0.00				
38.95	1.25	0.00	0.00				

Summary for Subcatchment 5P: PDA-5 (pervious)

Runoff = 0.09 cfs @ 1.27 hrs, Volume= 0.004 af, Depth= 0.07"
 Routed to Pond B-5 : Basin #5

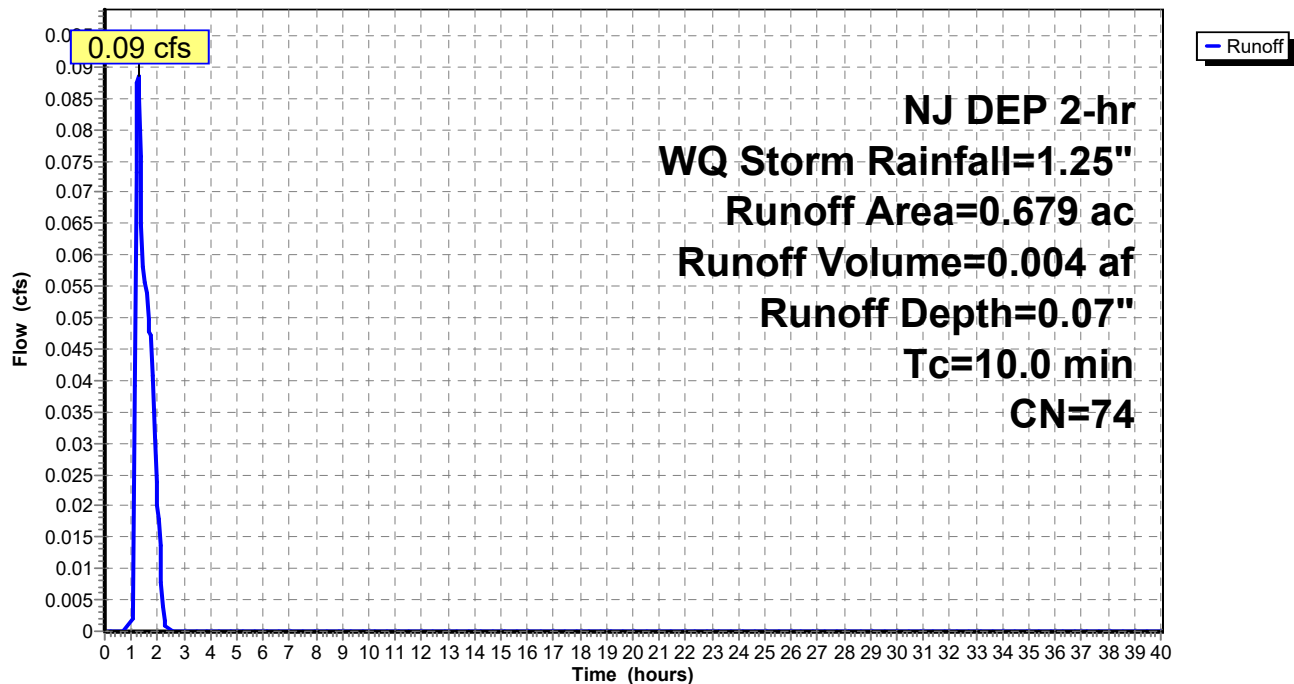
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 5P: PDA-5 (pervious)

Hydrograph



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.04	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.07	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.09	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 6I: PDA-6 (impervious)

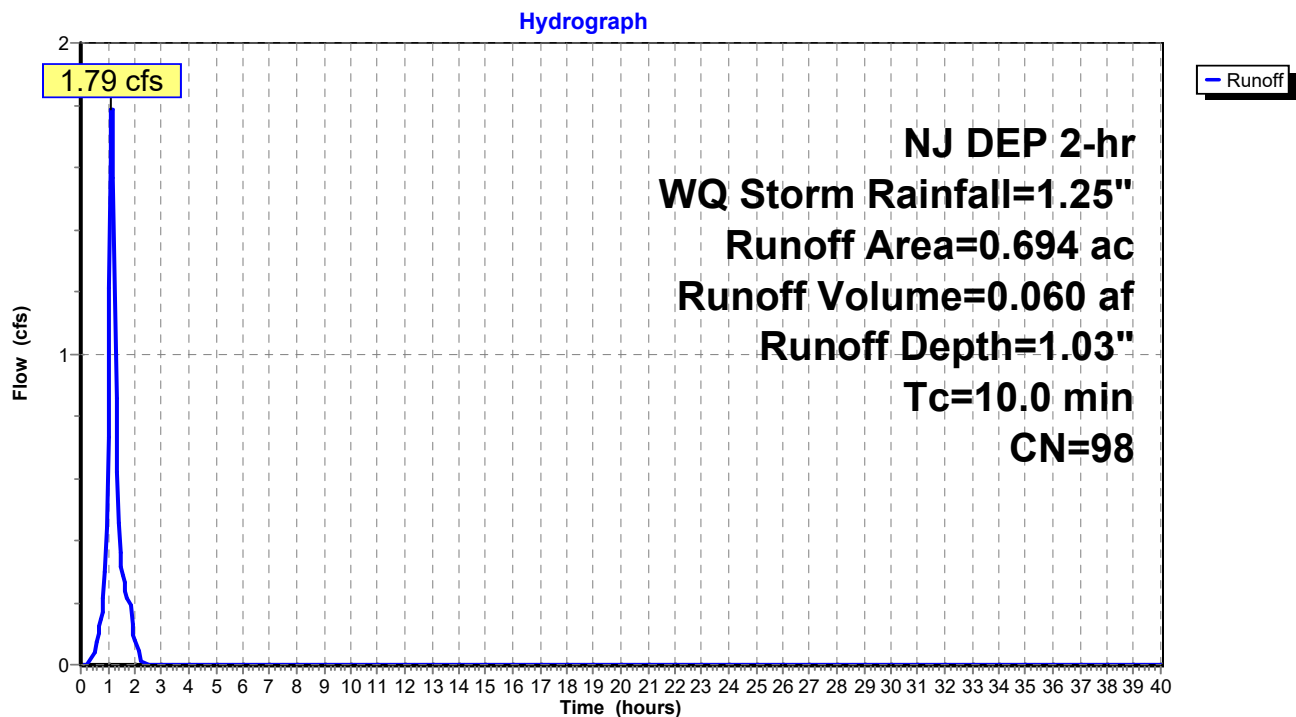
Runoff = 1.79 cfs @ 1.15 hrs, Volume= 0.060 af, Depth= 1.03"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.459	98	Pavement, HSG C
* 0.129	98	Roof, HSG C
* 0.106	98	Concrete, HSG C
0.694	98	Weighted Average
0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 6I: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.03	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.05	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.07	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.10	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.12	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.15	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.17	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.21	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.30	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.44	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.73	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.21	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.63	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.79	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.57	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.18	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.85	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.62	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.46	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.36	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.31	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.29	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.26	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.24	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.22	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.21	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.20	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.17	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.13	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.10	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.07	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.06	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.03	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 6P: PDA-6 (pervious)

Runoff = 0.06 cfs @ 1.27 hrs, Volume= 0.003 af, Depth= 0.07"
 Routed to Pond B-6 : Basin #6

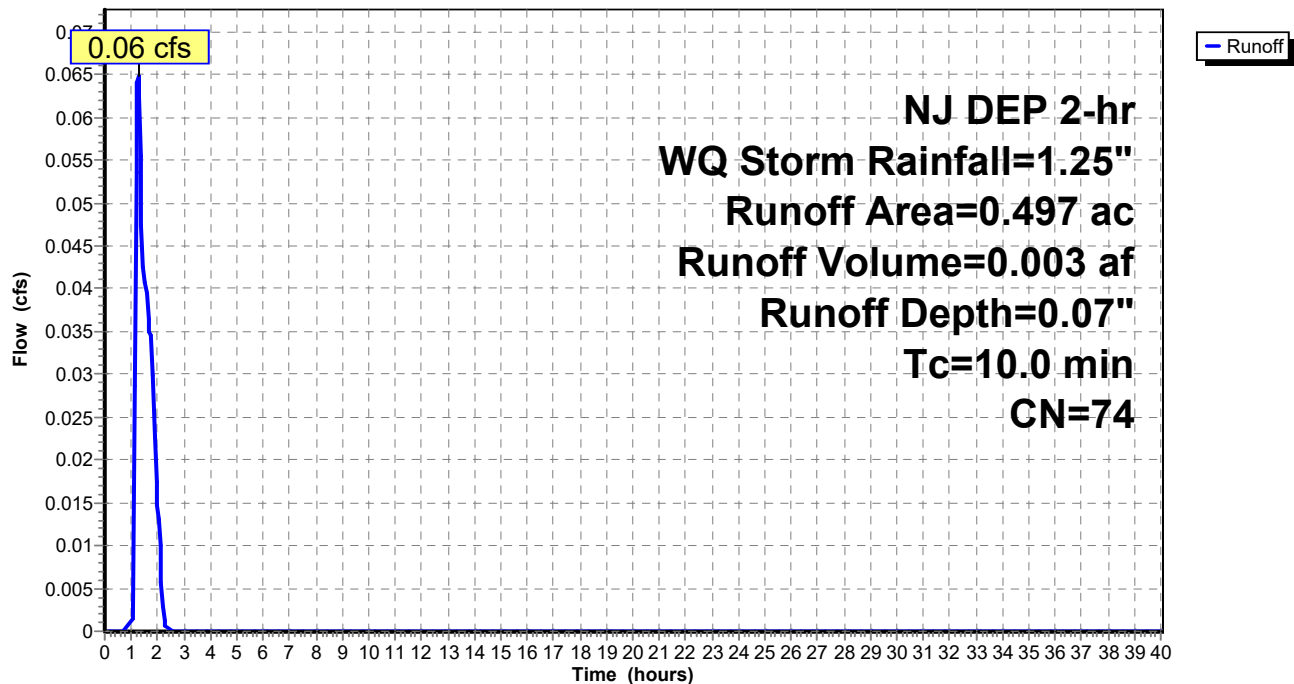
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 6P: PDA-6 (pervious)

Hydrograph



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.03	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.05	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.06	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.06	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.06	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.05	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.04	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.04	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.04	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.04	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.04	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.04	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.03	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.01	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 7I: PDA-7 (impervious)

Runoff = 2.53 cfs @ 1.15 hrs, Volume= 0.085 af, Depth= 1.03"
Routed to Pond B-7 : Basin #7

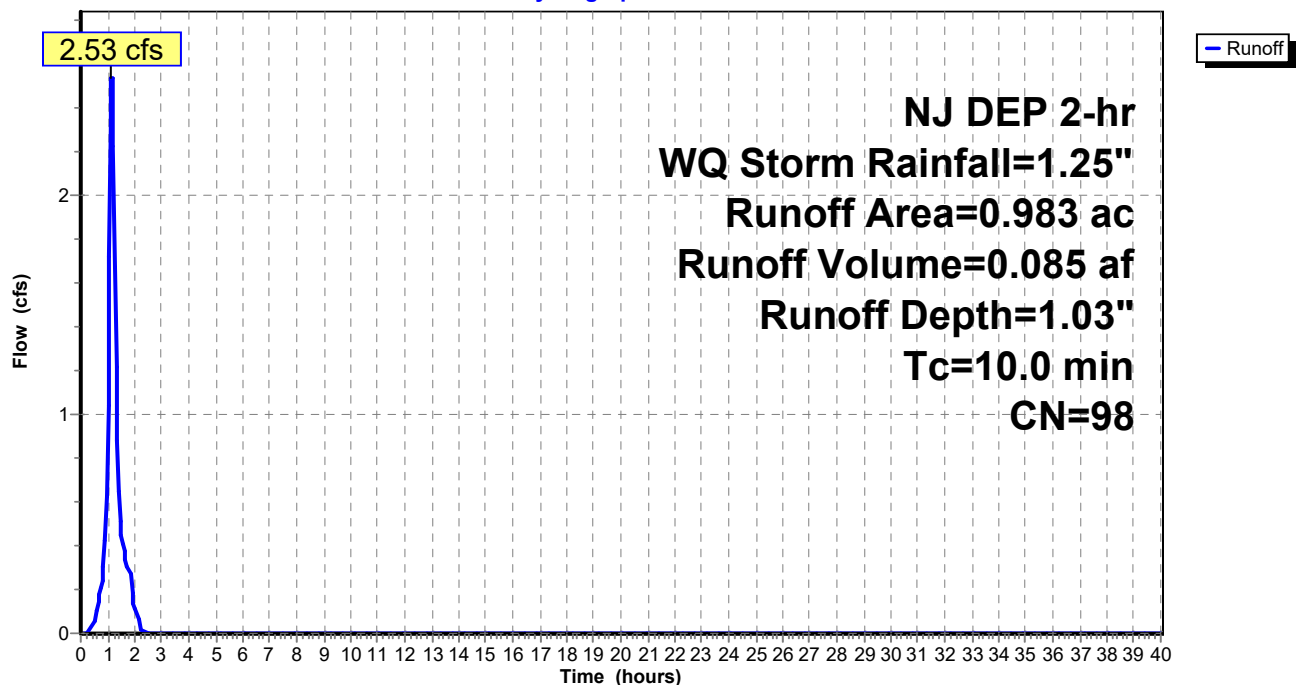
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.886	98	Pavement, HSG C
* 0.097	98	Concrete, HSG C
0.983	98	Weighted Average
0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 7I: PDA-7 (impervious)

Hydrograph



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.07	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.14	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.18	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.21	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.24	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.30	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.42	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.62	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.04	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.72	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.31	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.53	3.75	1.25	1.03	0.00
1.20	1.02	0.81	2.22	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.67	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.21	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.88	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.65	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.51	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.44	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.41	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.37	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.34	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.31	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.30	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.29	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.25	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.19	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.14	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.12	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.10	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.08	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.05	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 7P: PDA-7 (pervious)

Runoff = 0.08 cfs @ 1.27 hrs, Volume= 0.004 af, Depth= 0.07"
 Routed to Pond B-7 : Basin #7

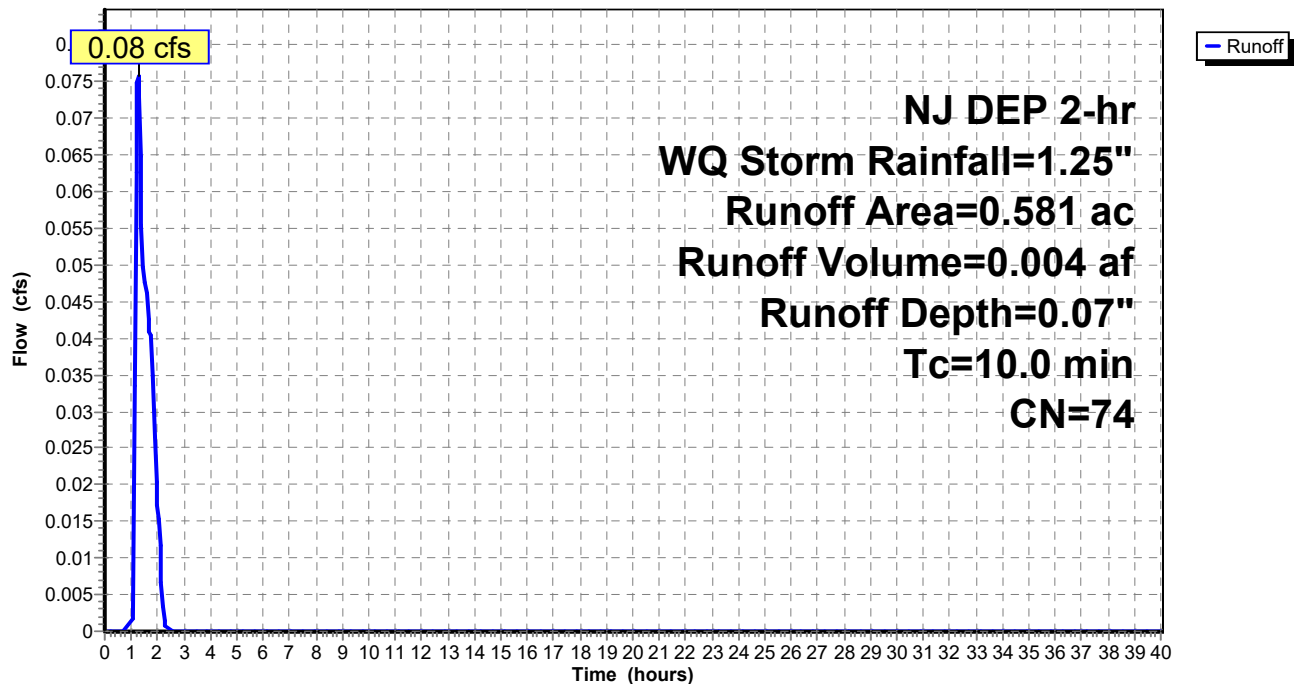
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 7P: PDA-7 (pervious)

Hydrograph



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.03	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.06	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.07	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.07	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.06	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.05	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.05	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.04	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.04	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.04	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.04	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 8I: PDA-8 (impervious)

Runoff = 1.24 cfs @ 1.15 hrs, Volume= 0.042 af, Depth= 1.03"
 Routed to Pond B-8 : Basin #8

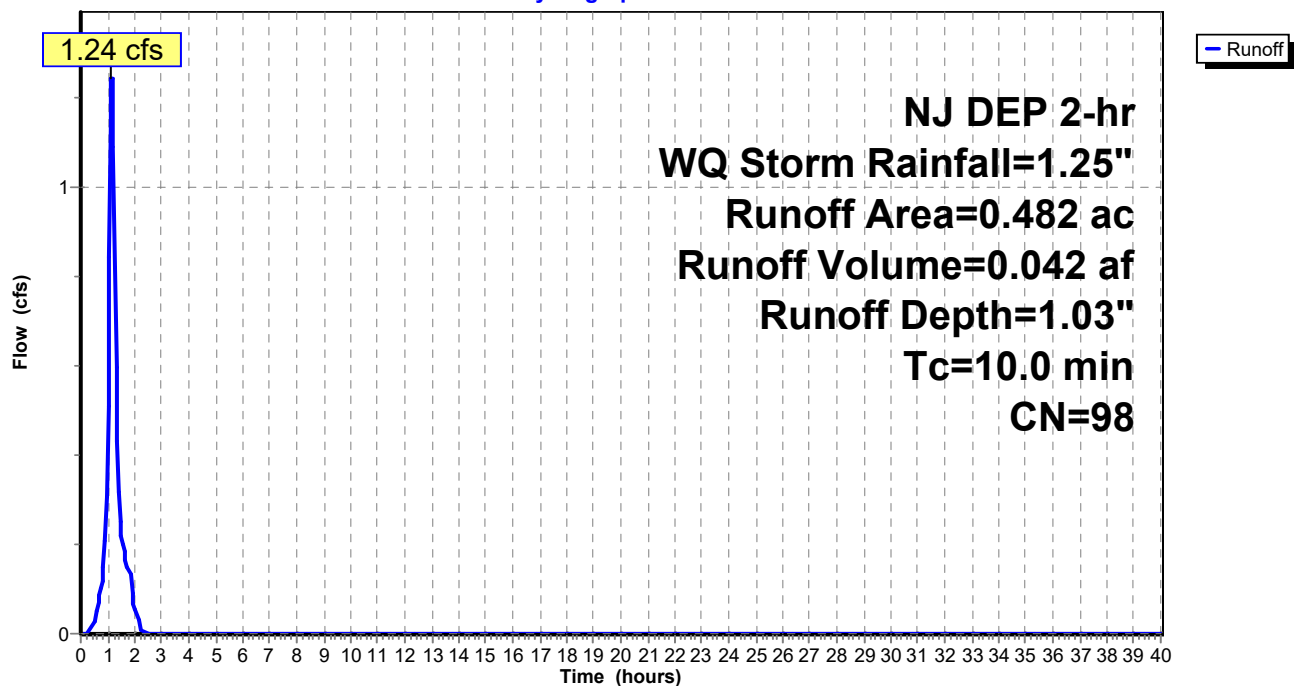
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.000	98	Pavement, HSG C
* 0.482	98	Roof, HSG C
* 0.000	98	Concrete, HSG C
0.482	98	Weighted Average
0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 8I: PDA-8 (impervious)

Hydrograph



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.02	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.03	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.05	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.07	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.09	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.10	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.12	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.15	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.21	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.31	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.51	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.84	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.13	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.24	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.09	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.82	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.59	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.43	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.32	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.25	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.22	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.20	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.18	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.16	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.15	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.15	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.14	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.12	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.09	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.06	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.05	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.04	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.02	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.01	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 8P: PDA-8 (pervious)

Runoff = 0.21 cfs @ 1.27 hrs, Volume= 0.010 af, Depth= 0.07"
 Routed to Pond B-8 : Basin #8

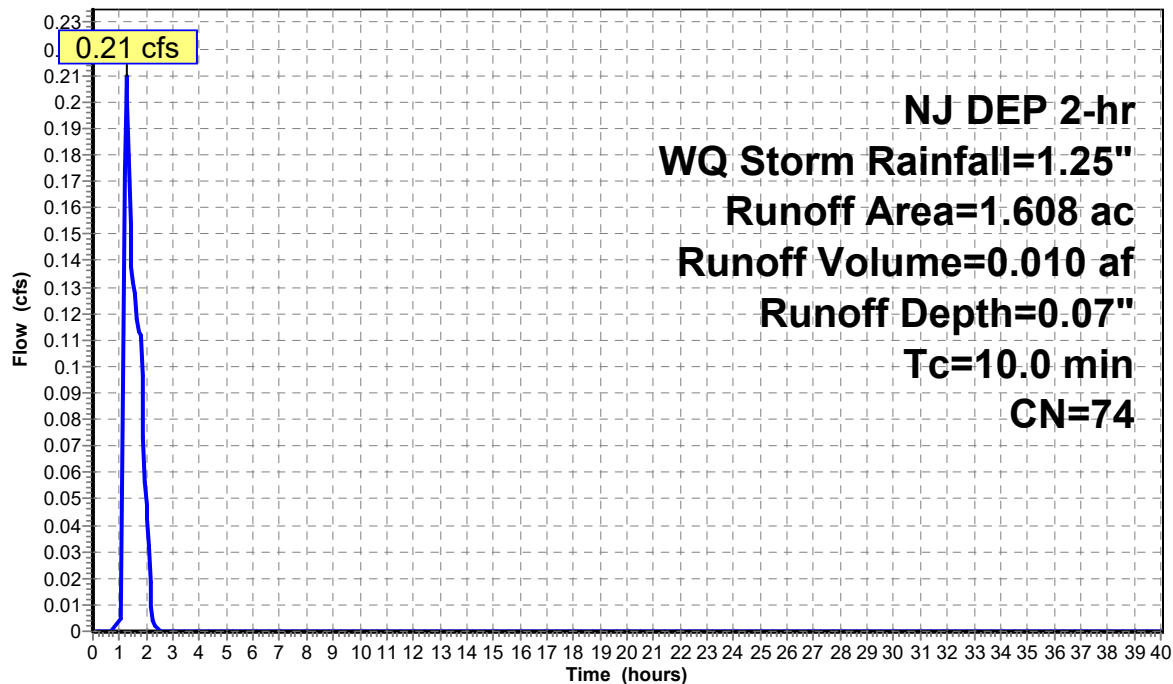
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 8P: PDA-8 (pervious)

Hydrograph



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.09	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.17	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.21	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.20	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.18	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.15	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.14	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.13	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.13	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.13	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.12	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.11	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.11	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.11	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.10	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.07	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.06	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.05	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 9I: PDA-9 (impervious)

Runoff = 2.04 cfs @ 1.15 hrs, Volume= 0.068 af, Depth= 1.03"
Routed to Pond B-9 : Basin #9

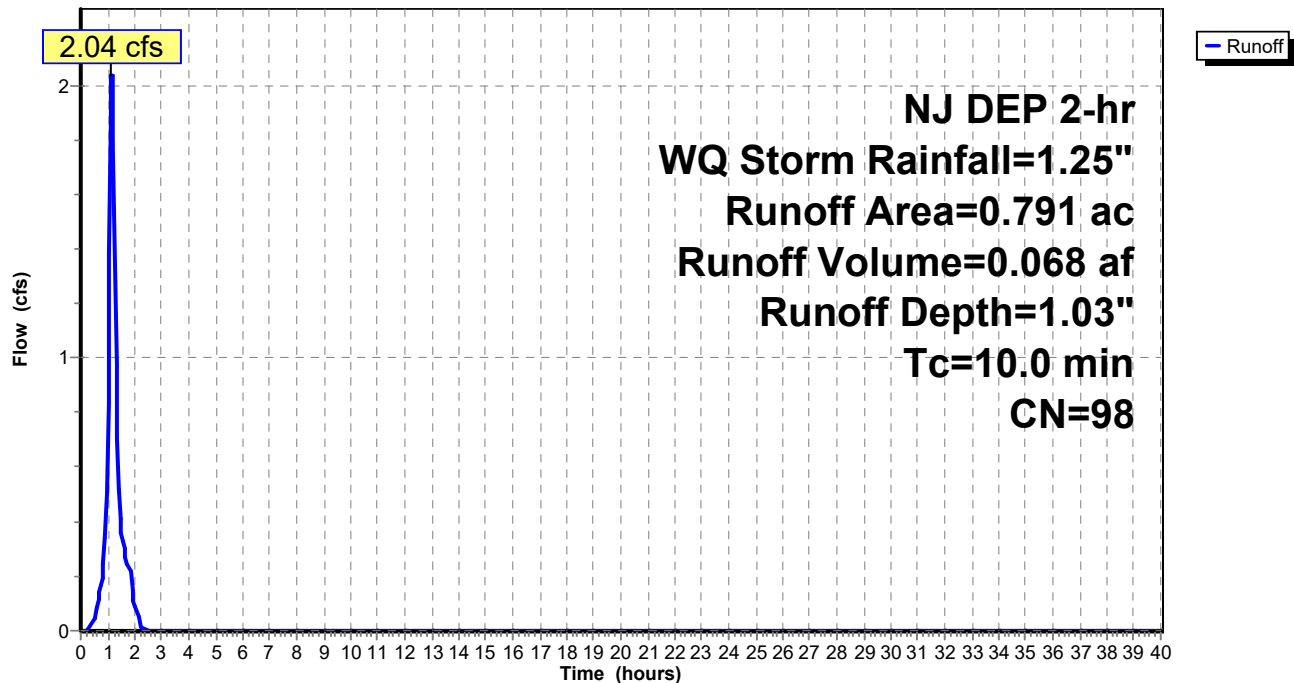
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.286	98	Pavement, HSG C
* 0.450	98	Roof, HSG C
* 0.055	98	Concrete, HSG C
0.791	98	Weighted Average
0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 9I: PDA-9 (impervious)

Hydrograph



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.03	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.08	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.11	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.14	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.17	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.19	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.24	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.34	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.50	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.84	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.38	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.86	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.04	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.79	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.35	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.97	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.71	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.52	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.41	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.36	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.33	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.30	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.27	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.25	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.24	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.23	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.20	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.15	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.11	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.09	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.08	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.06	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 9P: PDA-9 (pervious)

Runoff = 0.09 cfs @ 1.27 hrs, Volume= 0.004 af, Depth= 0.07"
 Routed to Pond B-9 : Basin #9

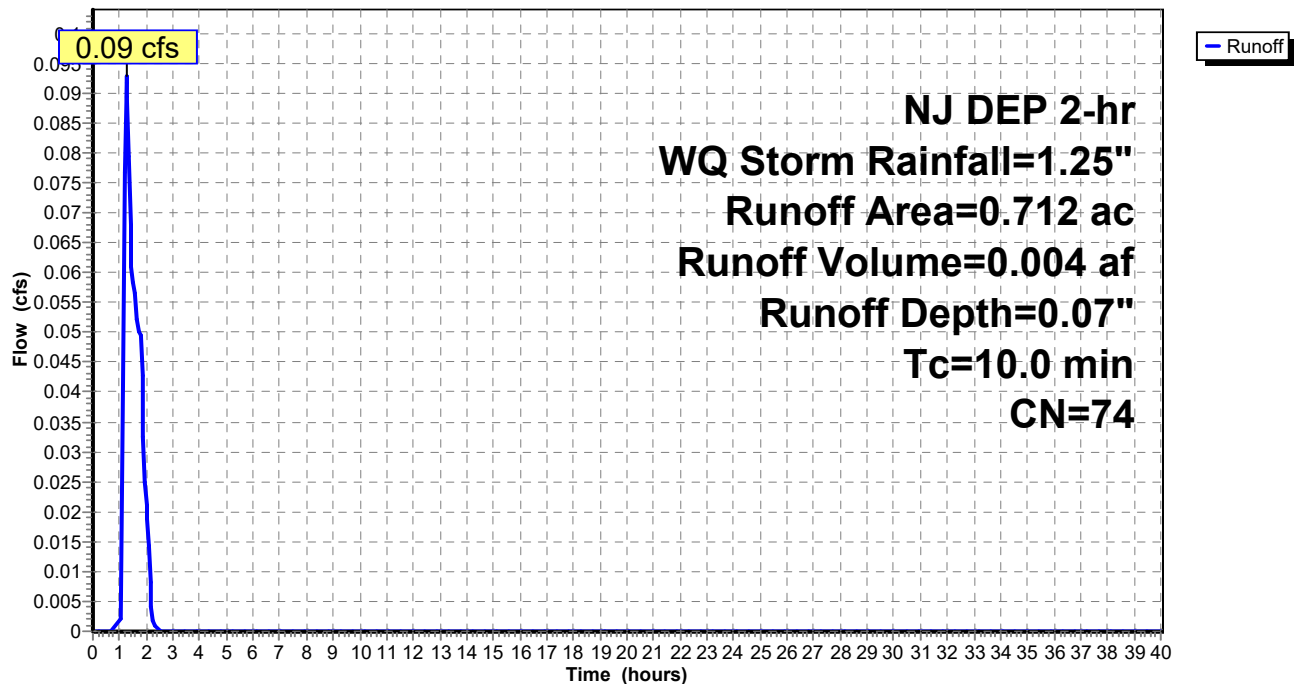
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 9P: PDA-9 (pervious)

Hydrograph



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.04	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.08	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.09	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 10I: PDA-10 (impervious)

Runoff = 2.44 cfs @ 1.15 hrs, Volume= 0.082 af, Depth= 1.03"
 Routed to Pond B-10 : Basin #10

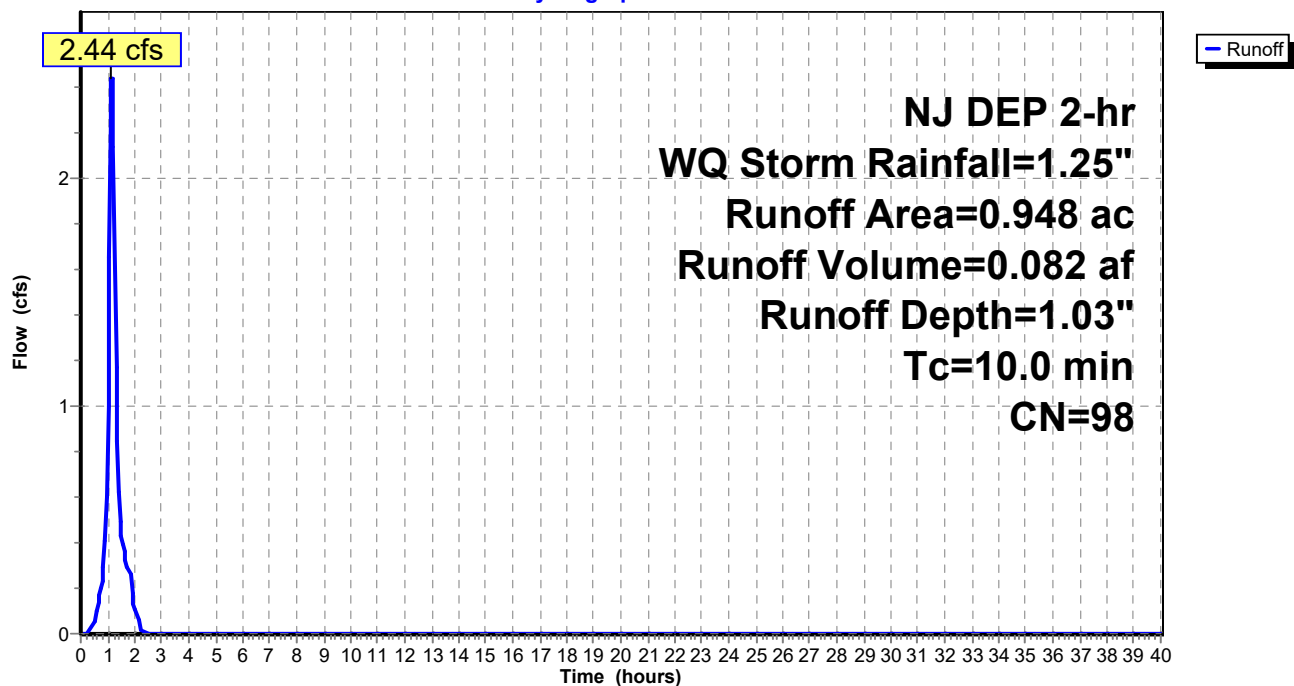
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.570	98	Pavement, HSG C
* 0.321	98	Roof, HSG C
* 0.057	98	Concrete, HSG C
0.948	98	Weighted Average
0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 10I: PDA-10 (impervious)

Hydrograph



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.07	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.14	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.17	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.20	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.23	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.29	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.41	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.60	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.00	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.65	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.23	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.44	3.75	1.25	1.03	0.00
1.20	1.02	0.81	2.14	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.61	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.17	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.85	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.62	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.49	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.43	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.39	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.36	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.32	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.30	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.29	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.28	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.24	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.18	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.13	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.11	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.10	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.08	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 10P: PDA-10 (pervious)

Runoff = 0.09 cfs @ 1.27 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-10 : Basin #10

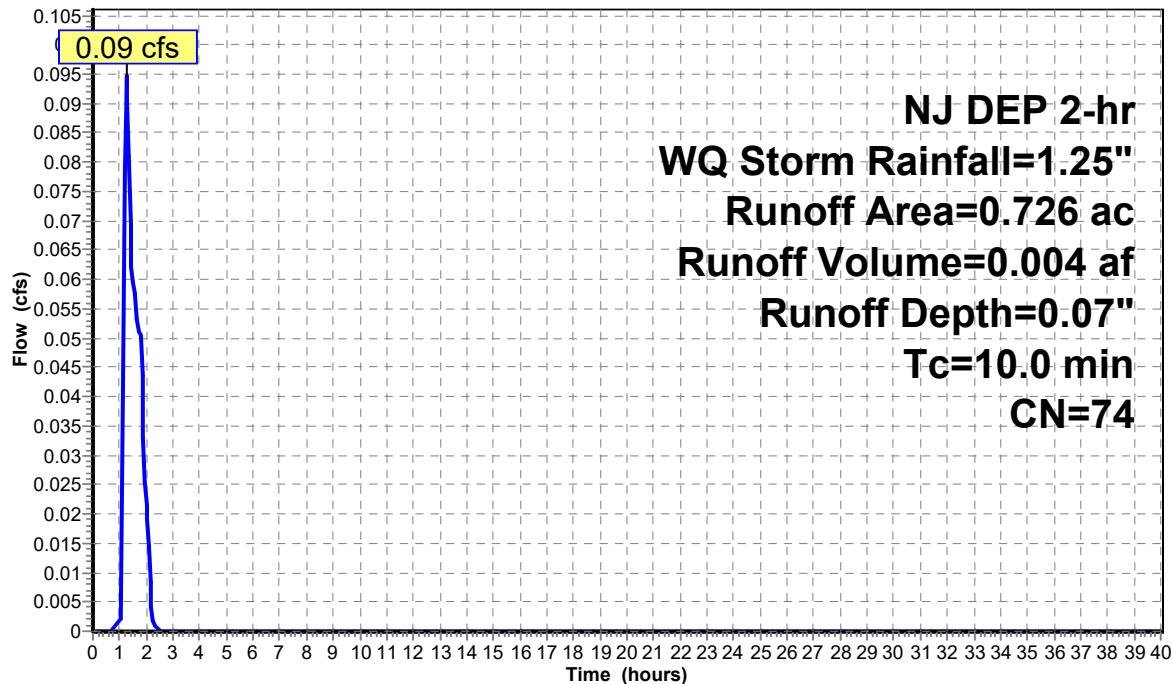
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 10P: PDA-10 (pervious)

Hydrograph



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.04	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.08	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.09	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 11I: PDA-11 (impervious)

Runoff = 3.36 cfs @ 1.15 hrs, Volume= 0.112 af, Depth= 1.03"
Routed to Pond B-11 : Basin #11

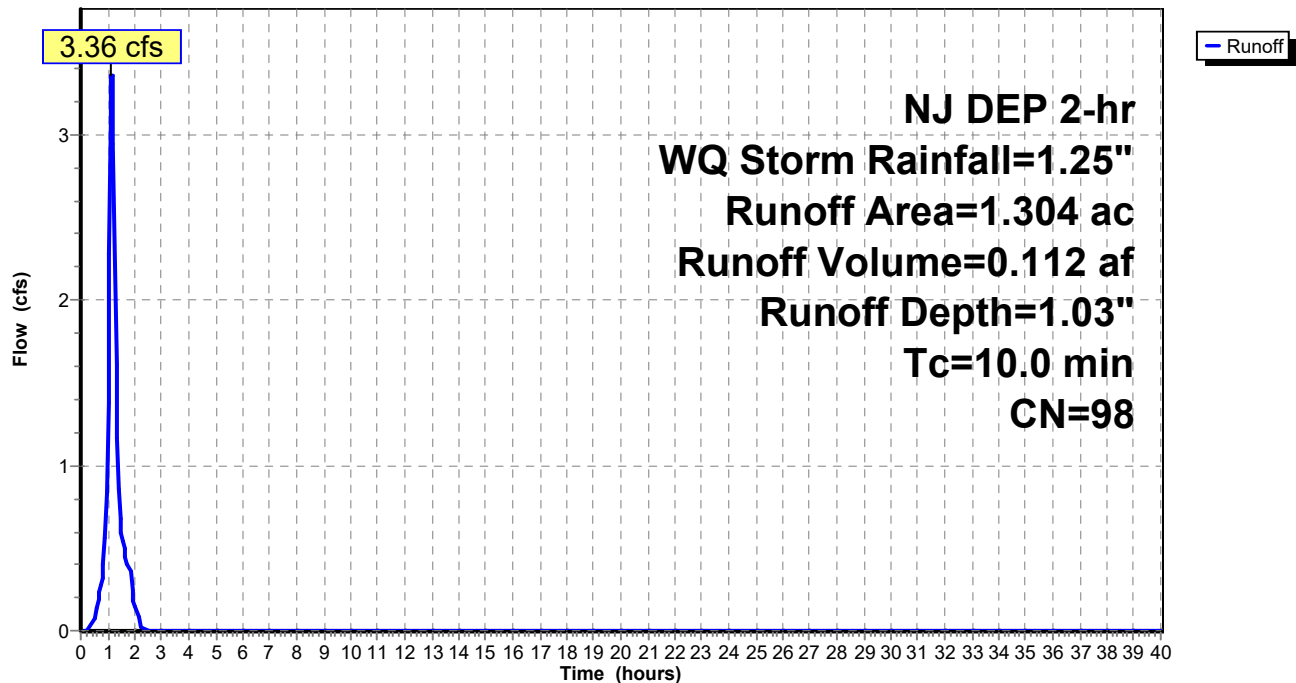
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.166	98	Concrete, HSG C
0.231	98	Roofs, HSG C
0.907	98	Paved roads w/curbs & sewers, HSG C
1.304	98	Weighted Average
1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 11I: PDA-11 (impervious)

Hydrograph



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.01	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.06	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.09	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.19	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.23	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.27	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.32	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.40	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.56	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.83	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.38	3.60	1.25	1.03	0.00
1.05	0.79	0.58	2.28	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.07	3.70	1.25	1.03	0.00
1.15	0.97	0.76	3.36	3.75	1.25	1.03	0.00
1.20	1.02	0.81	2.94	3.80	1.25	1.03	0.00
1.25	1.05	0.84	2.22	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.61	3.90	1.25	1.03	0.00
1.35	1.09	0.88	1.16	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.86	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.68	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.59	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.54	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.49	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.45	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.41	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.40	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.38	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.33	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.25	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.19	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.16	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.14	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.10	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.06	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.03	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.01	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 11P: PDA-11 (pervious)

Runoff = 0.12 cfs @ 1.27 hrs, Volume= 0.006 af, Depth= 0.07"
 Routed to Pond B-11 : Basin #11

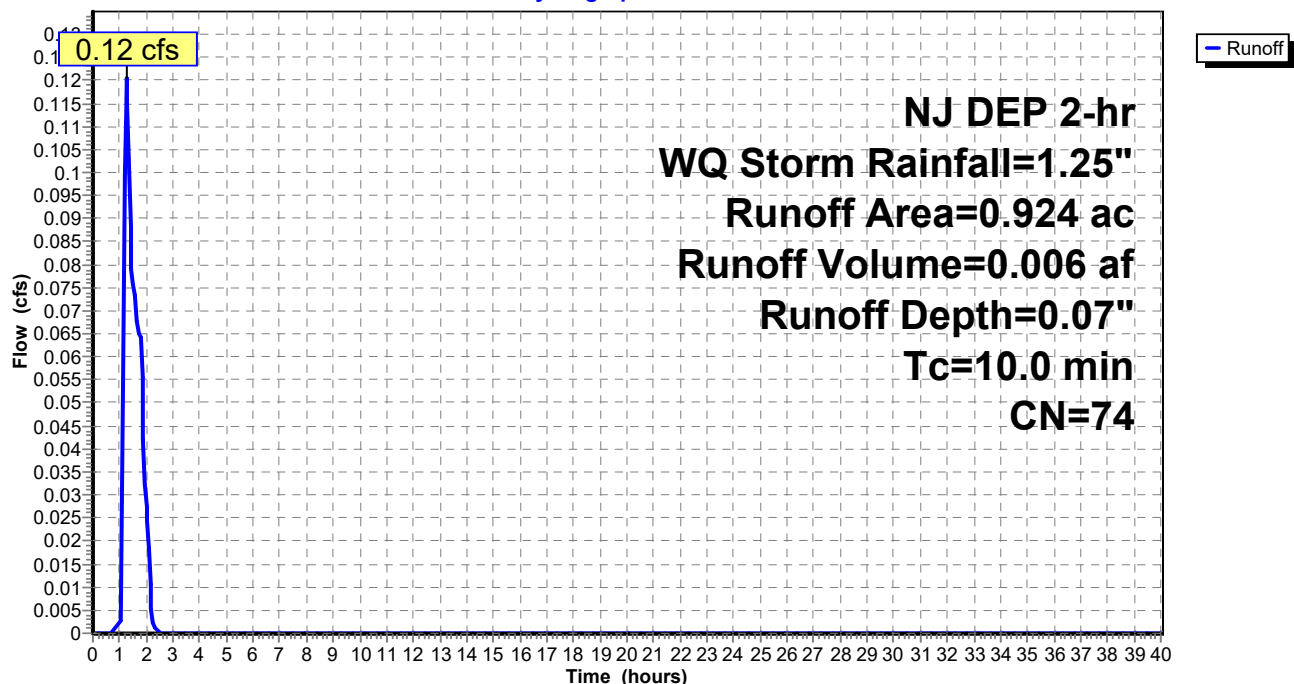
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 11P: PDA-11 (pervious)

Hydrograph



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.05	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.12	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.12	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 12I: PDA-12 (impervious)

Runoff = 2.80 cfs @ 1.15 hrs, Volume= 0.094 af, Depth= 1.03"
 Routed to Pond B-12 : Basin #12

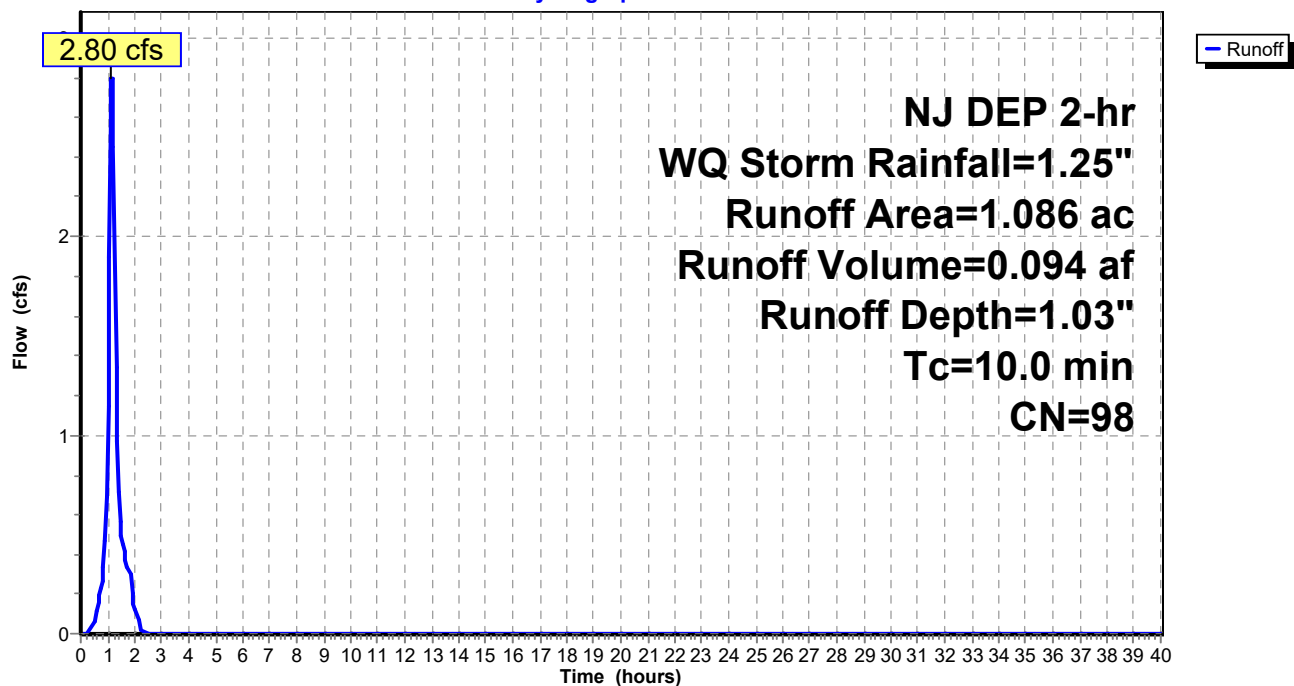
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.404	98	Pavement, HSG C
* 0.643	98	Roof, HSG C
* 0.039	98	Concrete, HSG C
1.086	98	Weighted Average
1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 12I: PDA-12 (impervious)

Hydrograph



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.01	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.08	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.11	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.16	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.19	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.23	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.26	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.34	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.47	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.69	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.15	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.90	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.56	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.80	3.75	1.25	1.03	0.00
1.20	1.02	0.81	2.45	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.85	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.34	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.97	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.72	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.57	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.49	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.45	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.41	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.37	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.34	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.33	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.32	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.27	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.21	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.15	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.13	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.11	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.09	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.05	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.01	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 12P: PDA-12 (pervious)

Runoff = 0.17 cfs @ 1.27 hrs, Volume= 0.008 af, Depth= 0.07"
Routed to Pond B-12 : Basin #12

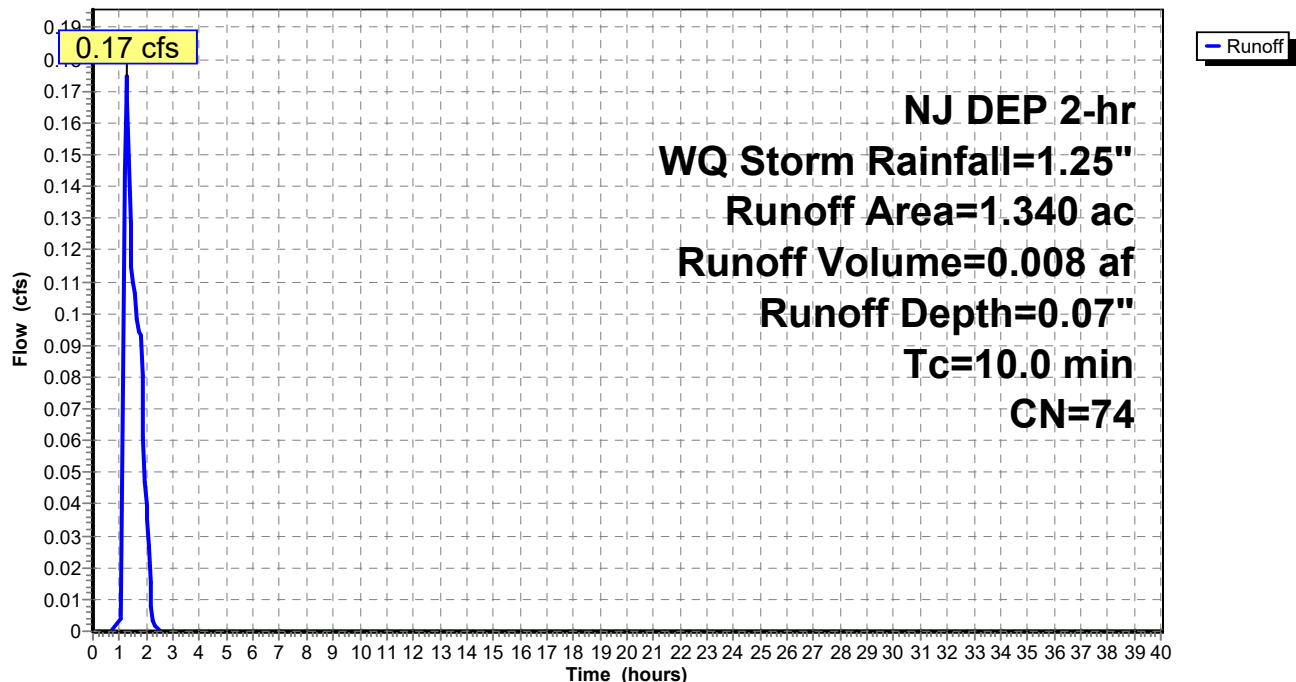
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 12P: PDA-12 (pervious)

Hydrograph



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.08	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.14	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.17	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.17	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.15	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.13	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.11	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.11	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.10	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.10	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.09	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.09	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.08	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.06	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.05	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 13I: PDA-13 (impervious)

Runoff = 3.78 cfs @ 1.15 hrs, Volume= 0.126 af, Depth= 1.03"
Routed to Pond B-13 : Basin #13

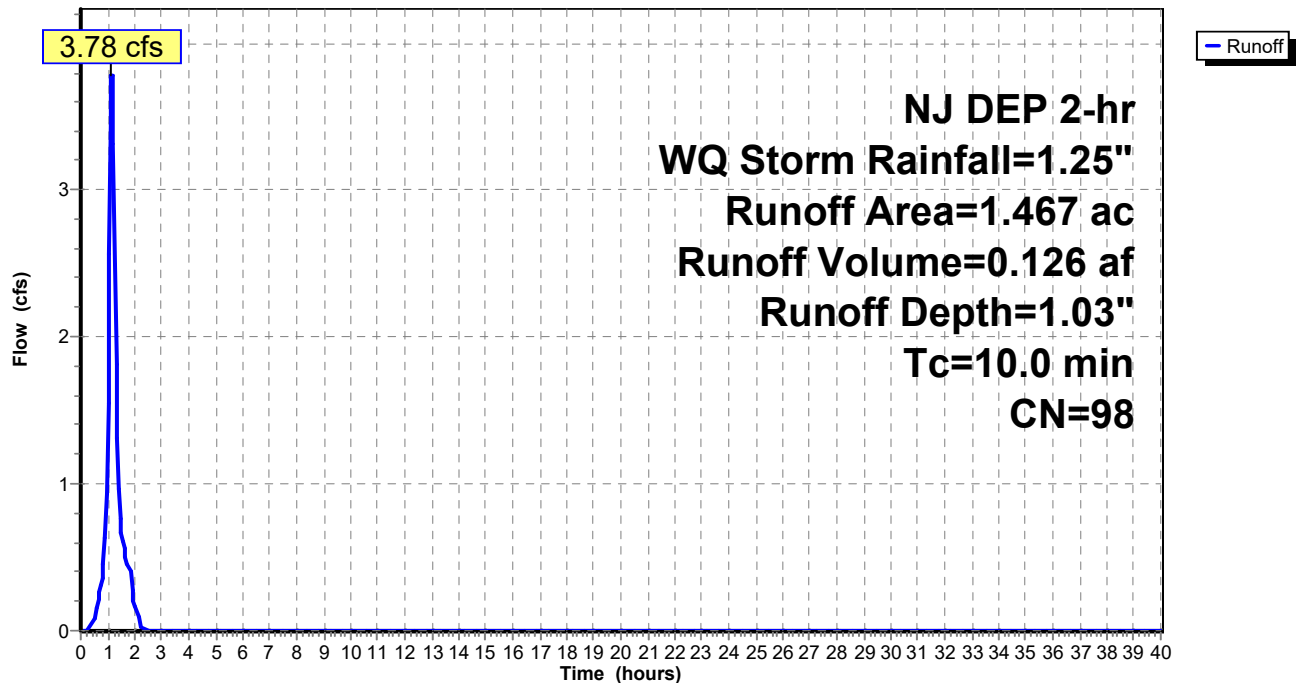
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.678	98	Pavement, HSG C
* 0.707	98	Roof, HSG C
* 0.082	98	Concrete, HSG C
1.467	98	Weighted Average
1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 13I: PDA-13 (impervious)

Hydrograph



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.01	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.03	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.06	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.10	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.15	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.21	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.26	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.31	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.36	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.45	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.63	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.93	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.55	3.60	1.25	1.03	0.00
1.05	0.79	0.58	2.56	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.45	3.70	1.25	1.03	0.00
1.15	0.97	0.76	3.78	3.75	1.25	1.03	0.00
1.20	1.02	0.81	3.31	3.80	1.25	1.03	0.00
1.25	1.05	0.84	2.50	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.81	3.90	1.25	1.03	0.00
1.35	1.09	0.88	1.31	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.97	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.77	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.66	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.61	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.56	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.50	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.47	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.45	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.43	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.37	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.28	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.21	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.17	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.15	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.12	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.07	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.03	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.02	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.01	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 13P: PDA-13 (pervious)

Runoff = 0.12 cfs @ 1.27 hrs, Volume= 0.005 af, Depth= 0.07"
 Routed to Pond B-13 : Basin #13

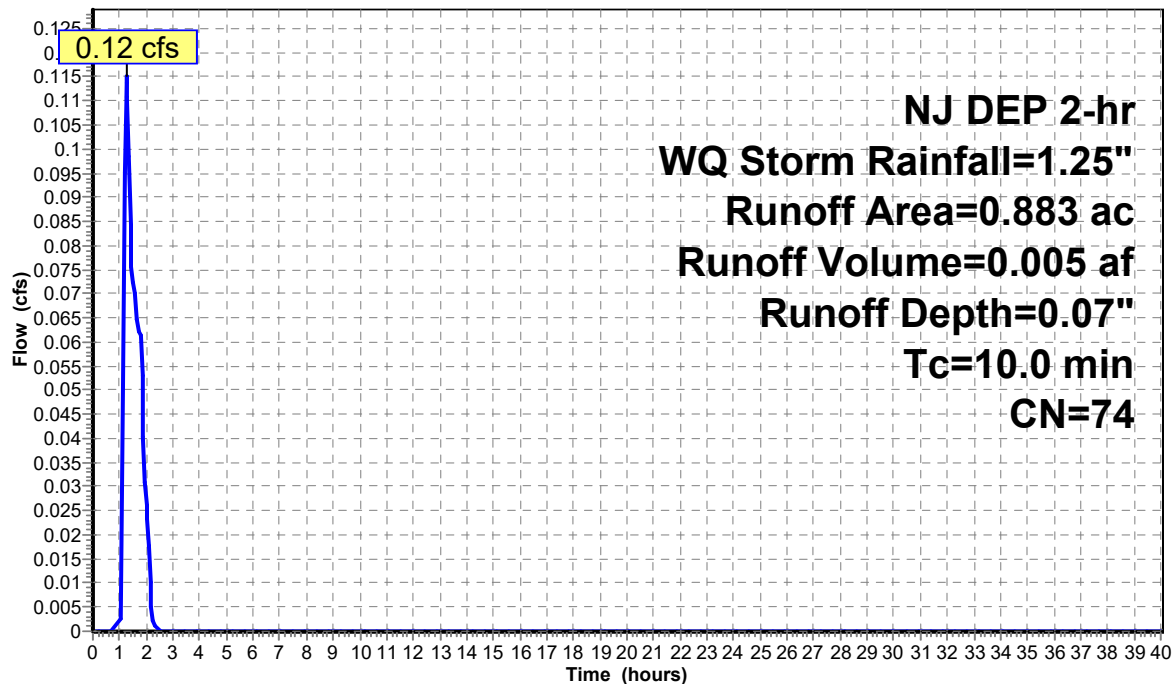
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 13P: PDA-13 (pervious)

Hydrograph



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.05	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.05	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 14I: PDA-14 (impervious)

Runoff = 1.31 cfs @ 1.15 hrs, Volume= 0.044 af, Depth= 1.03"
Routed to Pond B-14 : Basin #14

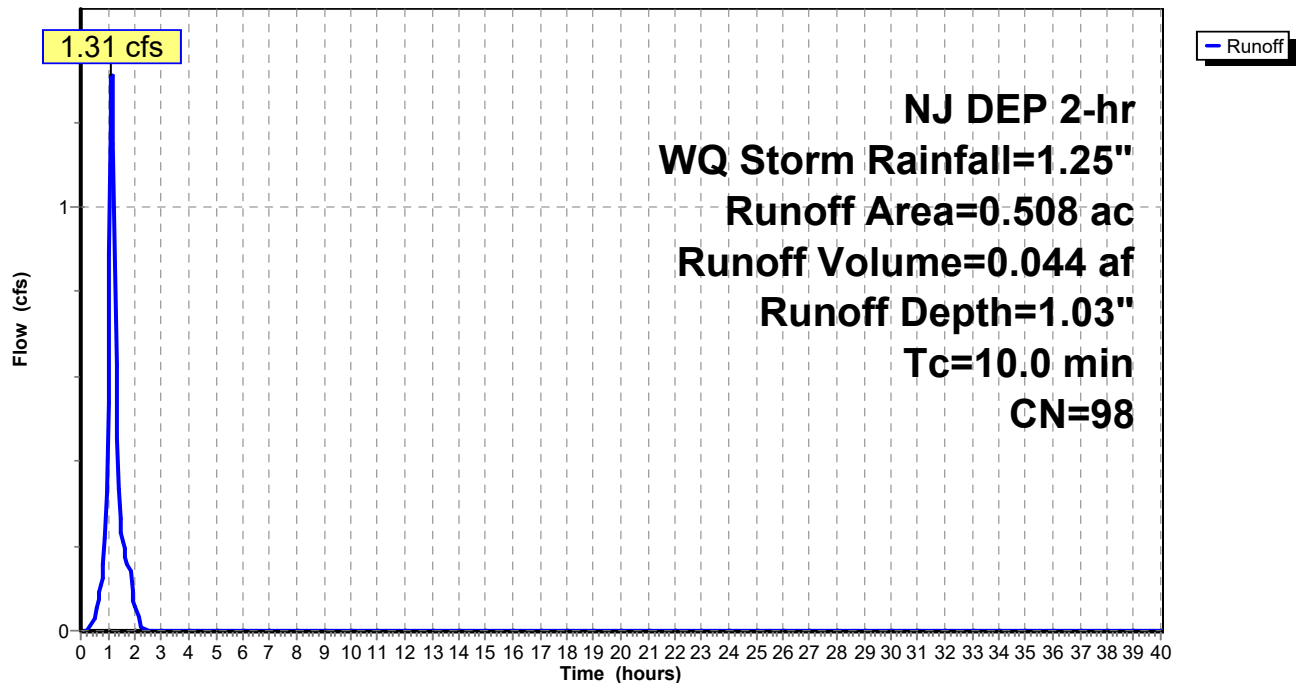
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.308	98	Pavement, HSG C
* 0.064	98	Roof, HSG C
* 0.136	98	Concrete, HSG C
0.508	98	Weighted Average
0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 14I: PDA-14 (impervious)

Hydrograph



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.02	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.04	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.05	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.07	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.09	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.11	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.12	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.16	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.22	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.32	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.54	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.89	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.20	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.31	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.15	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.86	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.63	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.45	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.33	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.27	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.23	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.21	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.19	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.17	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.16	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.16	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.15	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.13	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.10	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.06	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.05	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.04	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.02	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.01	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 14P: PDA-14 (pervious)

Runoff = 0.21 cfs @ 1.27 hrs, Volume= 0.010 af, Depth= 0.07"
 Routed to Pond B-14 : Basin #14

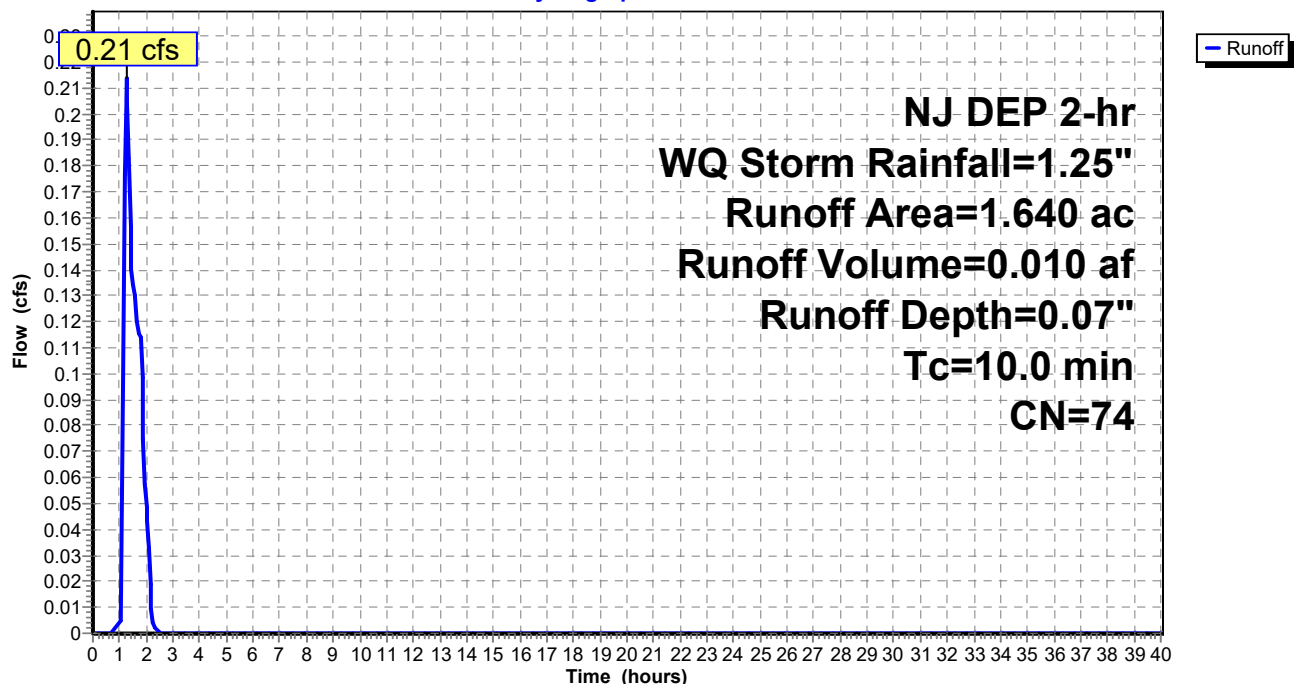
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 14P: PDA-14 (pervious)

Hydrograph



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.09	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.18	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.21	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.21	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.18	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.16	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.14	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.13	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.13	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.13	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.12	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.12	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.11	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.11	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.10	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.08	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.06	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.05	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 15I: PDA-15 (impervious)

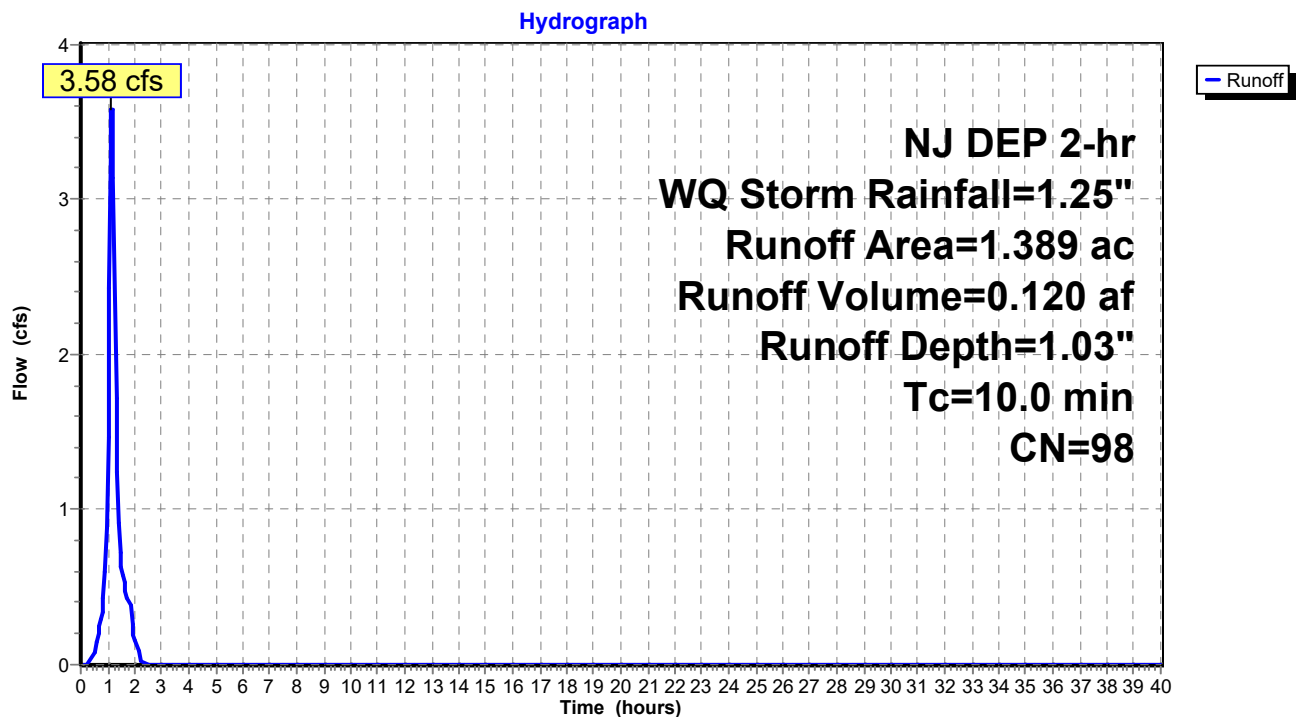
Runoff = 3.58 cfs @ 1.15 hrs, Volume= 0.120 af, Depth= 1.03"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.501	98	Pavement, HSG C
* 0.836	98	Roof, HSG C
* 0.052	98	Concrete, HSG C
1.389	98	Weighted Average
1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 15I: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.01	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.03	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.06	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.10	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.20	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.25	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.29	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.34	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.43	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.60	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.88	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.47	3.60	1.25	1.03	0.00
1.05	0.79	0.58	2.42	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.27	3.70	1.25	1.03	0.00
1.15	0.97	0.76	3.58	3.75	1.25	1.03	0.00
1.20	1.02	0.81	3.13	3.80	1.25	1.03	0.00
1.25	1.05	0.84	2.36	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.71	3.90	1.25	1.03	0.00
1.35	1.09	0.88	1.24	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.92	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.72	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.63	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.58	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.53	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.48	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.44	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.42	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.41	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.35	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.26	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.20	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.17	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.15	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.11	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.06	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.03	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.01	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 15I: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 15P: PDA-15 (pervious)

Runoff = 0.13 cfs @ 1.27 hrs, Volume= 0.006 af, Depth= 0.07"
 Routed to Pond B-15 : Basin #15

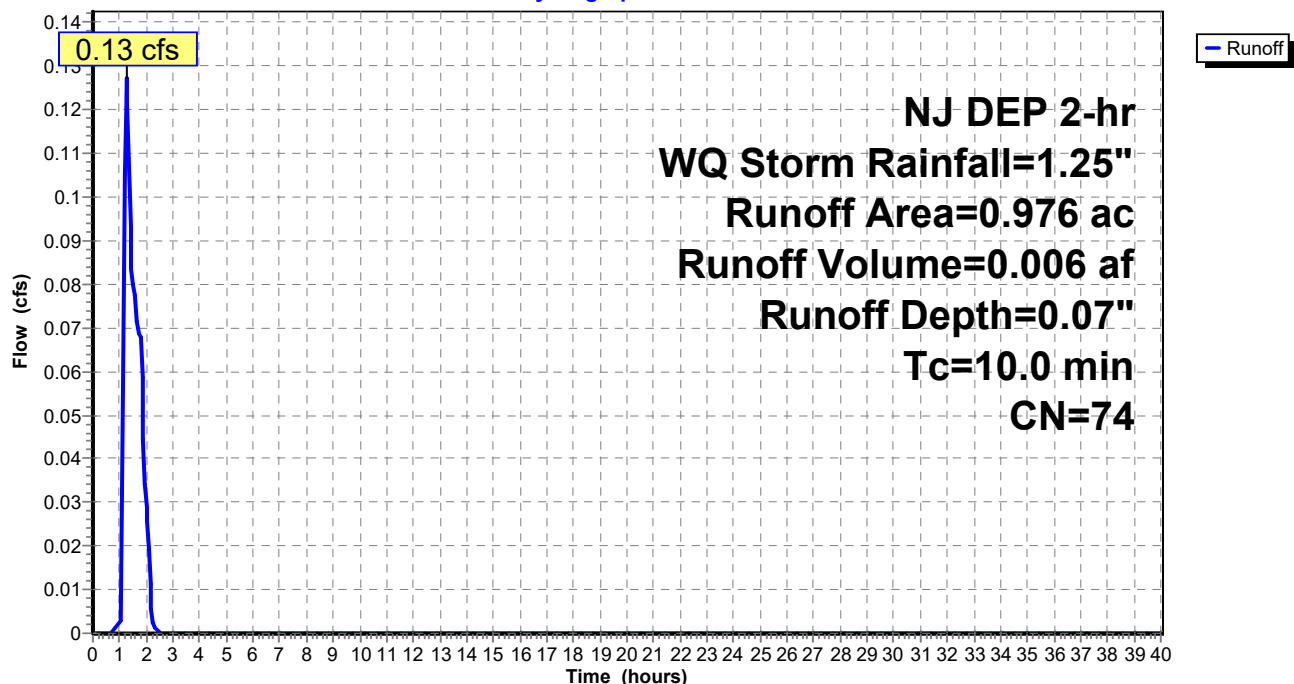
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 15P: PDA-15 (pervious)

Hydrograph



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.06	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.11	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.13	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.12	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 16A1: PDA-16A (impervious)

Runoff = 2.20 cfs @ 1.15 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-16A : Basin #16A

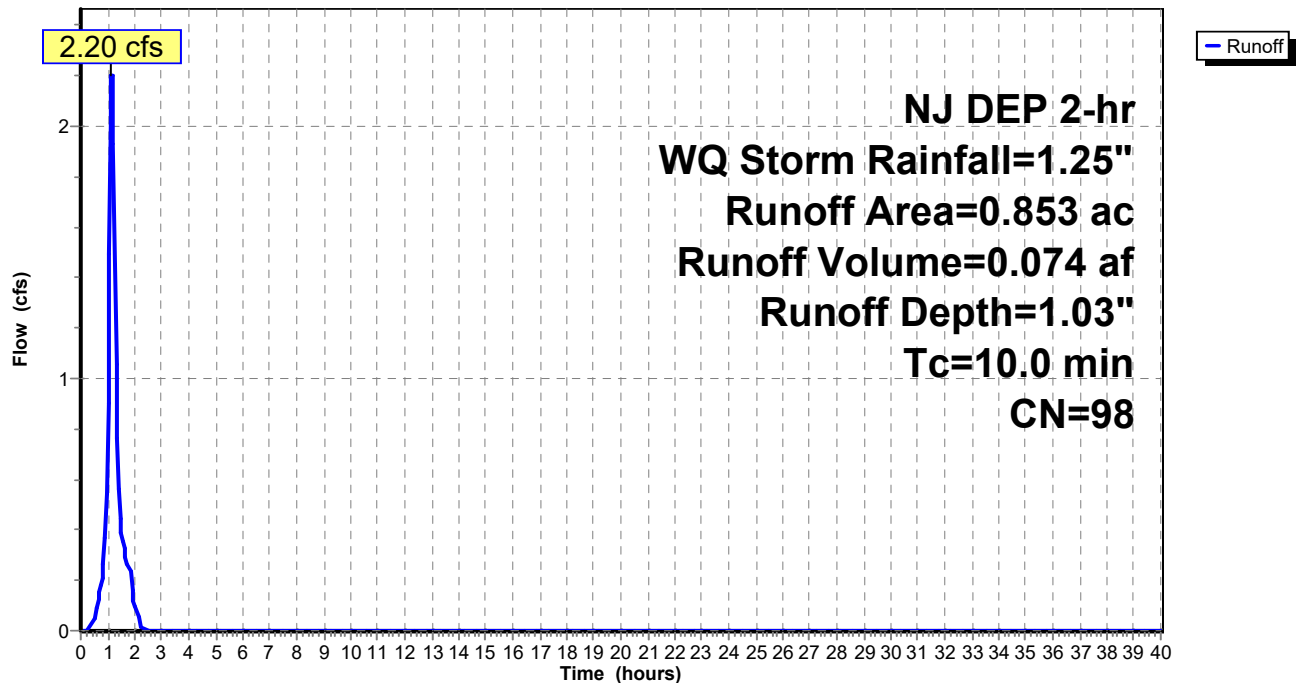
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.072	98	Pavement, HSG C
* 0.771	98	Roof, HSG C
* 0.010	98	Concrete, HSG C
0.853	98	Weighted Average
0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 16A1: PDA-16A (impervious)

Hydrograph



Hydrograph for Subcatchment 16A1: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.04	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.12	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.15	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.18	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.26	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.37	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.54	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.90	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.49	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.01	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.20	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.93	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.45	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.05	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.76	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.56	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.44	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.39	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.35	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.32	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.29	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.27	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.26	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.25	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.21	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.16	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.12	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.10	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.09	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.07	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16A1: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 16AP: PDA-16A (pervious)

Runoff = 0.13 cfs @ 1.27 hrs, Volume= 0.006 af, Depth= 0.07"
 Routed to Pond B-16A : Basin #16A

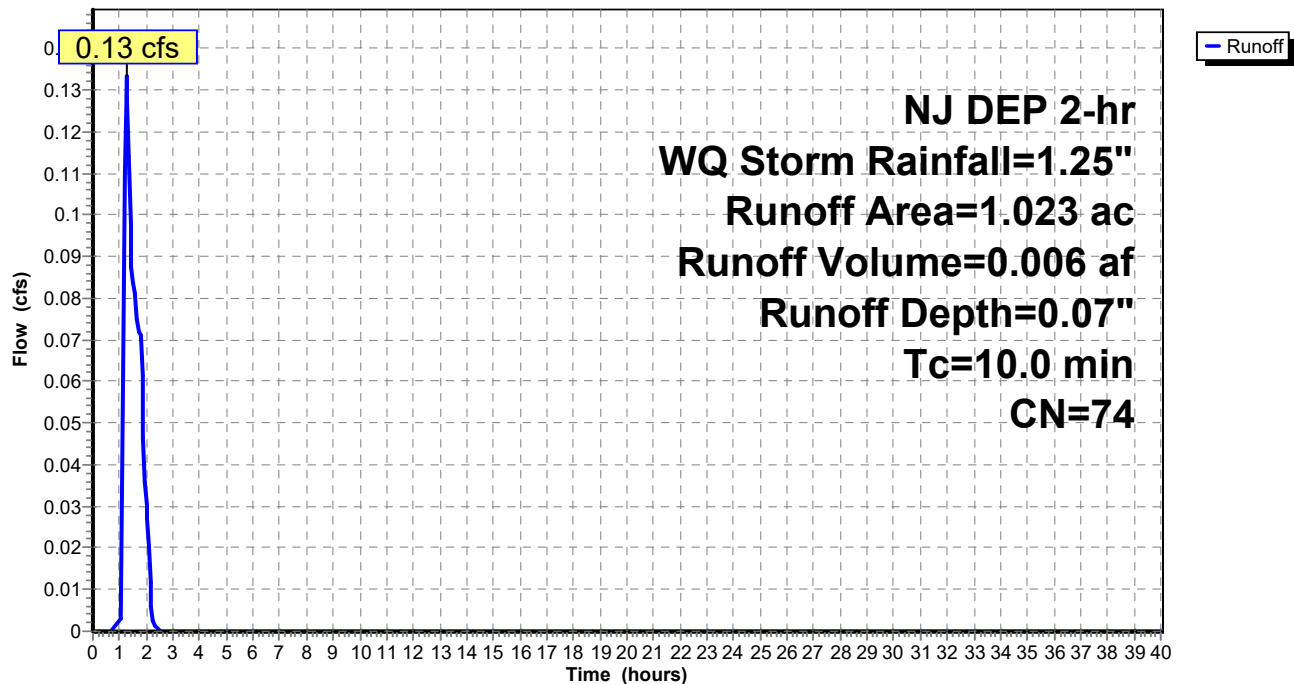
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 16AP: PDA-16A (pervious)

Hydrograph



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.06	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.11	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.13	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.13	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.10	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.09	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.08	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 16BI: PDA-16B (impervious)

Runoff = 2.12 cfs @ 1.15 hrs, Volume= 0.071 af, Depth= 1.03"
 Routed to Pond B-16B : Basin #16B

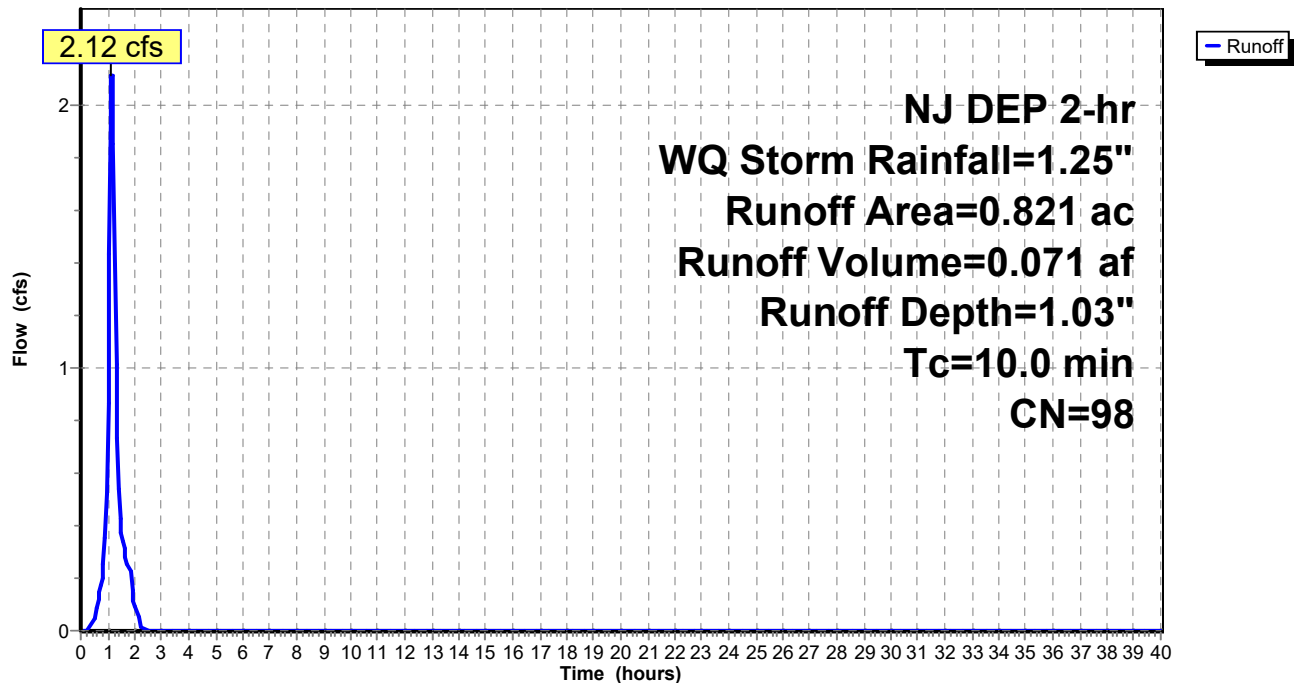
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.621	98	Pavement, HSG C
* 0.064	98	Roof, HSG C
* 0.136	98	Concrete, HSG C
0.821	98	Weighted Average
0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 16BI: PDA-16B (impervious)

Hydrograph



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.02	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.03	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.06	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.12	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.15	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.17	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.20	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.25	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.35	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.52	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.87	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.43	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.93	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.11	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.85	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.40	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.01	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.73	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.54	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.43	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.37	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.34	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.31	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.28	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.26	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.25	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.24	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.21	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.15	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.12	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.10	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.09	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.07	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.04	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.02	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 16BP: PDA-16B (pervious)

Runoff = 0.14 cfs @ 1.27 hrs, Volume= 0.006 af, Depth= 0.07"
 Routed to Pond B-16B : Basin #16B

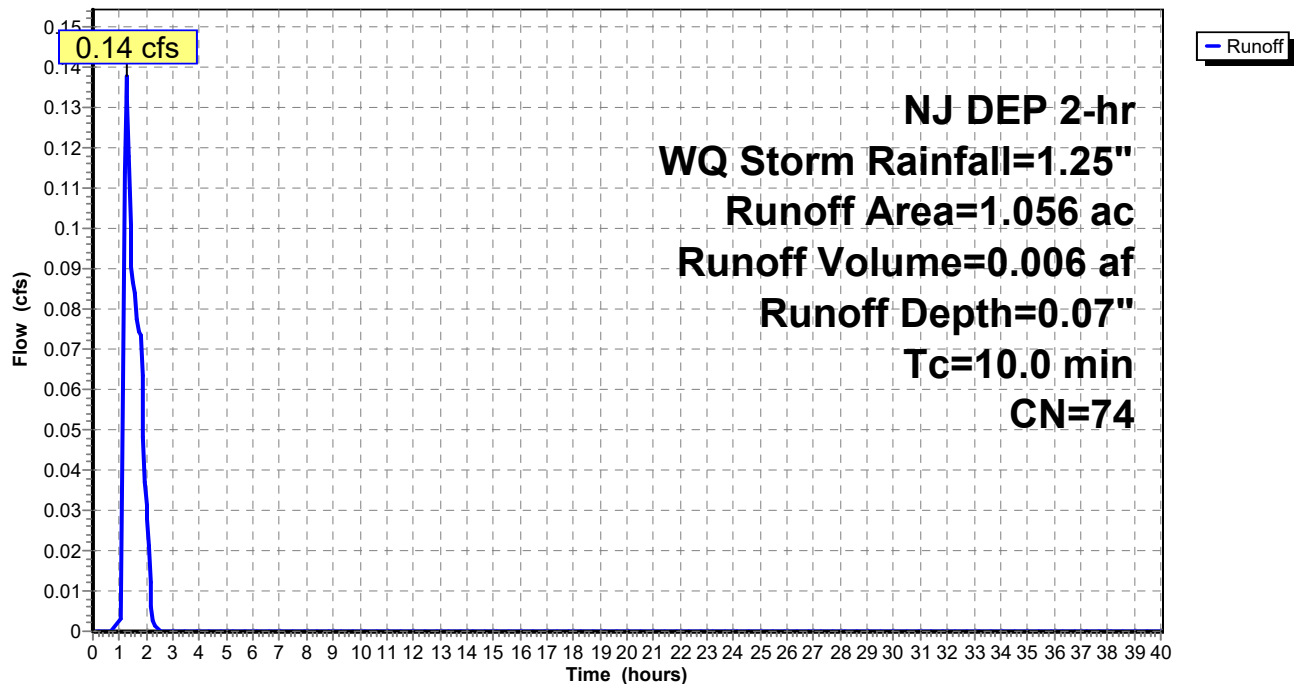
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 16BP: PDA-16B (pervious)

Hydrograph



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.06	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.11	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.14	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.13	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.12	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.10	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.09	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.09	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.09	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.08	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 17A1: PDA-17A (impervious)

Runoff = 0.50 cfs @ 1.15 hrs, Volume= 0.017 af, Depth= 1.03"
Routed to Pond B-17A : Basin #17A

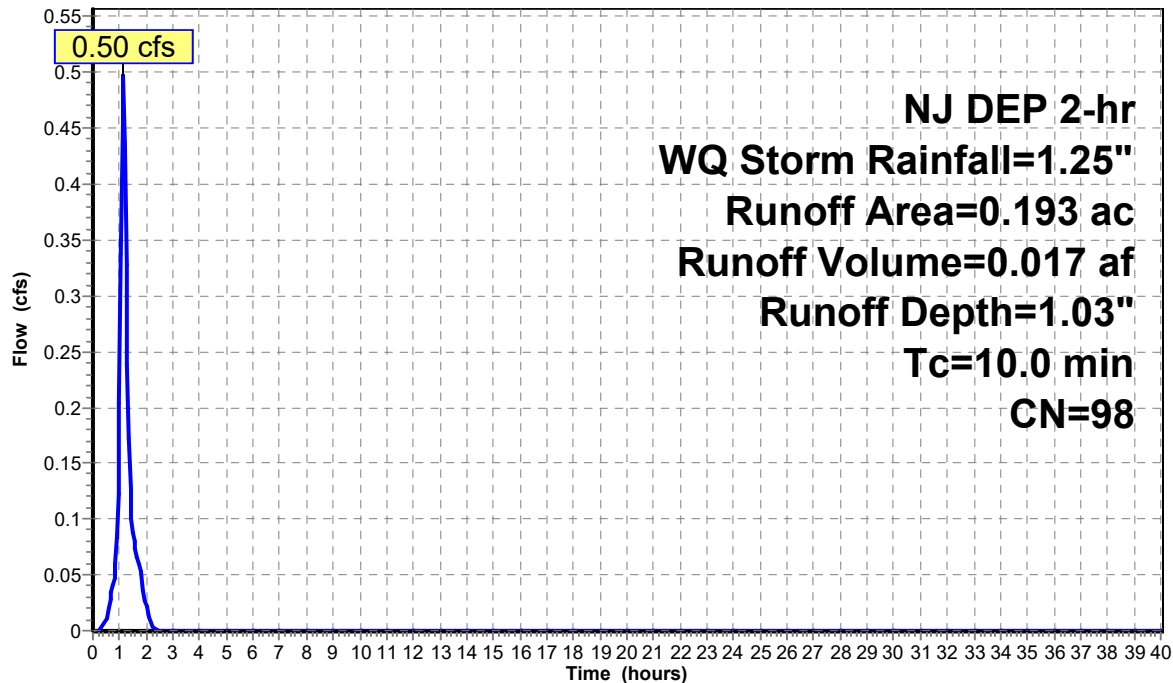
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.193	98	Roof, HSG C
0.000	98	Paved roads w/curbs & sewers, HSG C
* 0.000	98	Concrete, HSG C
0.193	98	Weighted Average
0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 17A1: PDA-17A (impervious)

Hydrograph



Hydrograph for Subcatchment 17A1: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.00	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.01	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.01	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.02	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.03	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.03	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.04	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.05	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.06	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.08	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.12	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.20	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.34	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.45	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.50	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.44	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.33	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.24	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.17	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.13	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.10	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.09	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.08	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.07	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.07	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.06	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.06	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.06	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.04	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.03	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.02	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.02	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.02	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.01	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17A1: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 17AP: PDA-17A (pervious)

Runoff = 0.15 cfs @ 1.27 hrs, Volume= 0.007 af, Depth= 0.07"
 Routed to Pond B-17A : Basin #17A

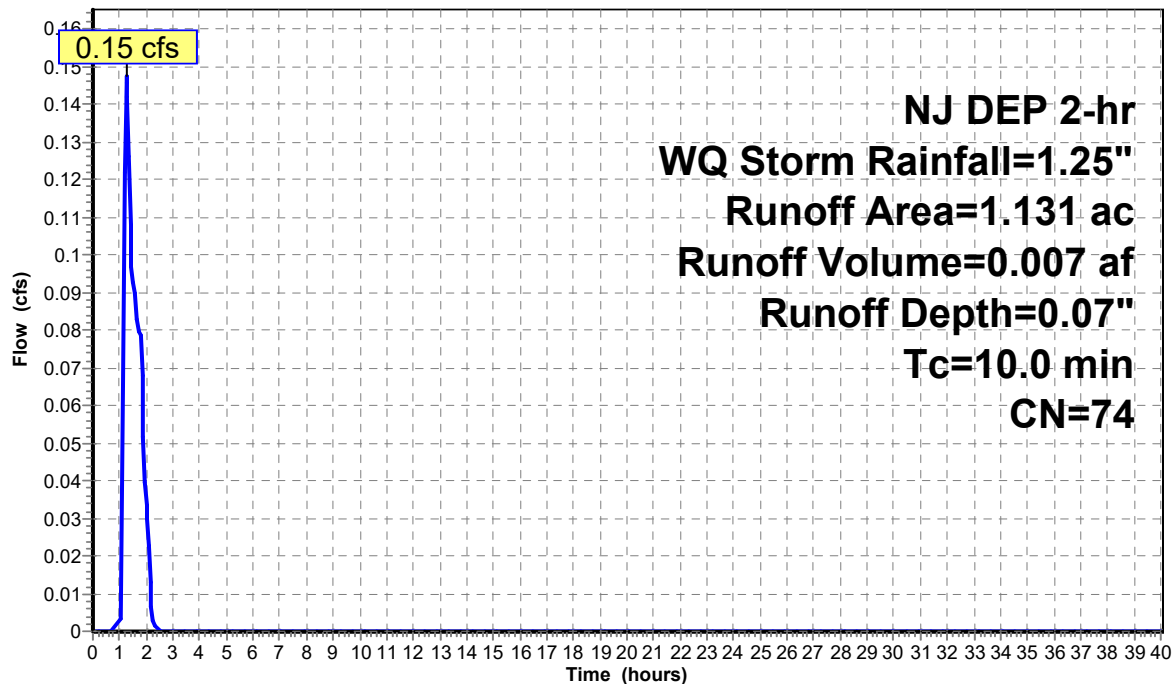
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 17AP: PDA-17A (pervious)

Hydrograph



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.07	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.15	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.14	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.13	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.11	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.10	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.09	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.09	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.09	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.08	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.08	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.08	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.08	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.07	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment 17BI: PDA-17B (impervious)

Runoff = 1.32 cfs @ 1.15 hrs, Volume= 0.044 af, Depth= 1.03"
Routed to Pond B-17B : Basin #17B

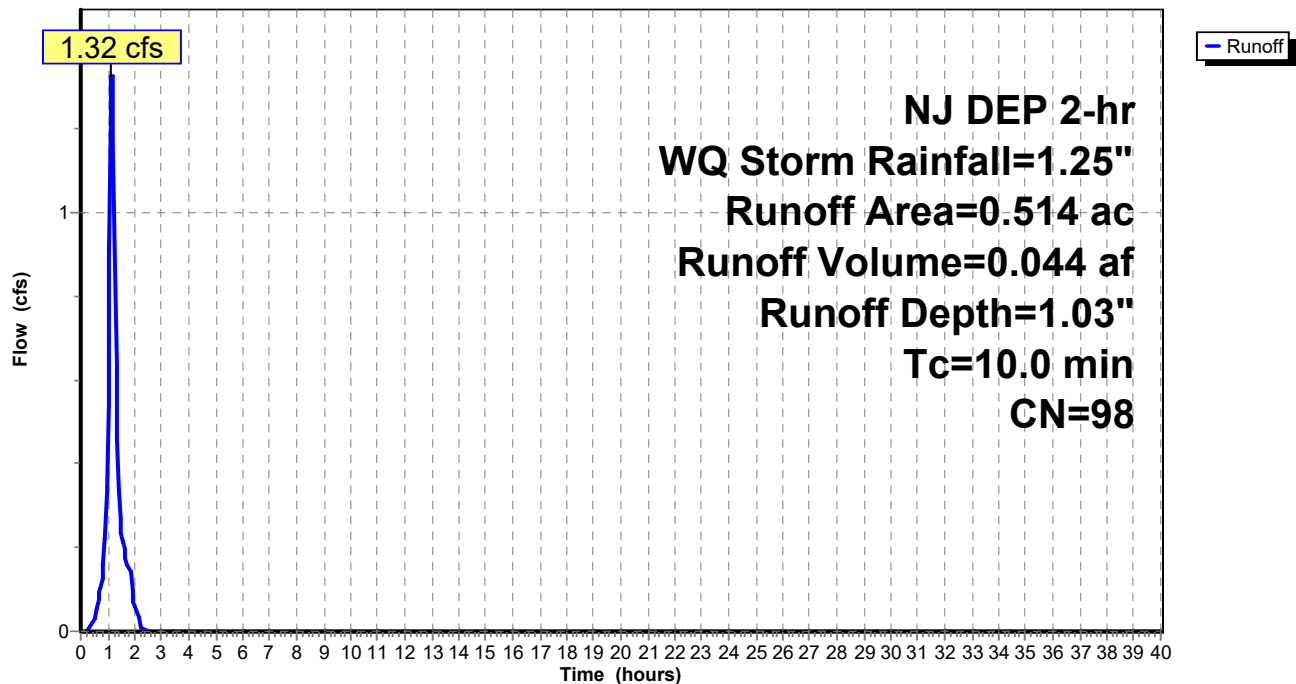
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.514	98	Roof, HSG C
0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 17BI: PDA-17B (impervious)

Hydrograph



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.02	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.04	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.05	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.07	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.09	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.11	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.12	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.16	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.22	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.33	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.54	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.90	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.21	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.32	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.16	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.87	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.63	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.46	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.34	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.27	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.23	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.21	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.19	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.18	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.16	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.16	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.15	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.13	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.10	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	1.25	1.03	0.06	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.05	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.04	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.02	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.01	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.01	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00	39.00	1.25	1.03	0.00
36.45	1.25	1.03	0.00	39.05	1.25	1.03	0.00
36.50	1.25	1.03	0.00	39.10	1.25	1.03	0.00
36.55	1.25	1.03	0.00	39.15	1.25	1.03	0.00
36.60	1.25	1.03	0.00	39.20	1.25	1.03	0.00
36.65	1.25	1.03	0.00	39.25	1.25	1.03	0.00
36.70	1.25	1.03	0.00	39.30	1.25	1.03	0.00
36.75	1.25	1.03	0.00	39.35	1.25	1.03	0.00
36.80	1.25	1.03	0.00	39.40	1.25	1.03	0.00
36.85	1.25	1.03	0.00	39.45	1.25	1.03	0.00
36.90	1.25	1.03	0.00	39.50	1.25	1.03	0.00
36.95	1.25	1.03	0.00	39.55	1.25	1.03	0.00
37.00	1.25	1.03	0.00	39.60	1.25	1.03	0.00
37.05	1.25	1.03	0.00	39.65	1.25	1.03	0.00
37.10	1.25	1.03	0.00	39.70	1.25	1.03	0.00
37.15	1.25	1.03	0.00	39.75	1.25	1.03	0.00
37.20	1.25	1.03	0.00	39.80	1.25	1.03	0.00
37.25	1.25	1.03	0.00	39.85	1.25	1.03	0.00
37.30	1.25	1.03	0.00	39.90	1.25	1.03	0.00
37.35	1.25	1.03	0.00	39.95	1.25	1.03	0.00
37.40	1.25	1.03	0.00	40.00	1.25	1.03	0.00
37.45	1.25	1.03	0.00				
37.50	1.25	1.03	0.00				
37.55	1.25	1.03	0.00				
37.60	1.25	1.03	0.00				
37.65	1.25	1.03	0.00				
37.70	1.25	1.03	0.00				
37.75	1.25	1.03	0.00				
37.80	1.25	1.03	0.00				
37.85	1.25	1.03	0.00				
37.90	1.25	1.03	0.00				
37.95	1.25	1.03	0.00				
38.00	1.25	1.03	0.00				
38.05	1.25	1.03	0.00				
38.10	1.25	1.03	0.00				
38.15	1.25	1.03	0.00				
38.20	1.25	1.03	0.00				
38.25	1.25	1.03	0.00				
38.30	1.25	1.03	0.00				
38.35	1.25	1.03	0.00				
38.40	1.25	1.03	0.00				
38.45	1.25	1.03	0.00				
38.50	1.25	1.03	0.00				
38.55	1.25	1.03	0.00				
38.60	1.25	1.03	0.00				
38.65	1.25	1.03	0.00				
38.70	1.25	1.03	0.00				
38.75	1.25	1.03	0.00				
38.80	1.25	1.03	0.00				
38.85	1.25	1.03	0.00				
38.90	1.25	1.03	0.00				
38.95	1.25	1.03	0.00				

Summary for Subcatchment 17BP: PDA-17B (pervious)

Runoff = 0.11 cfs @ 1.27 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-17B : Basin #17B

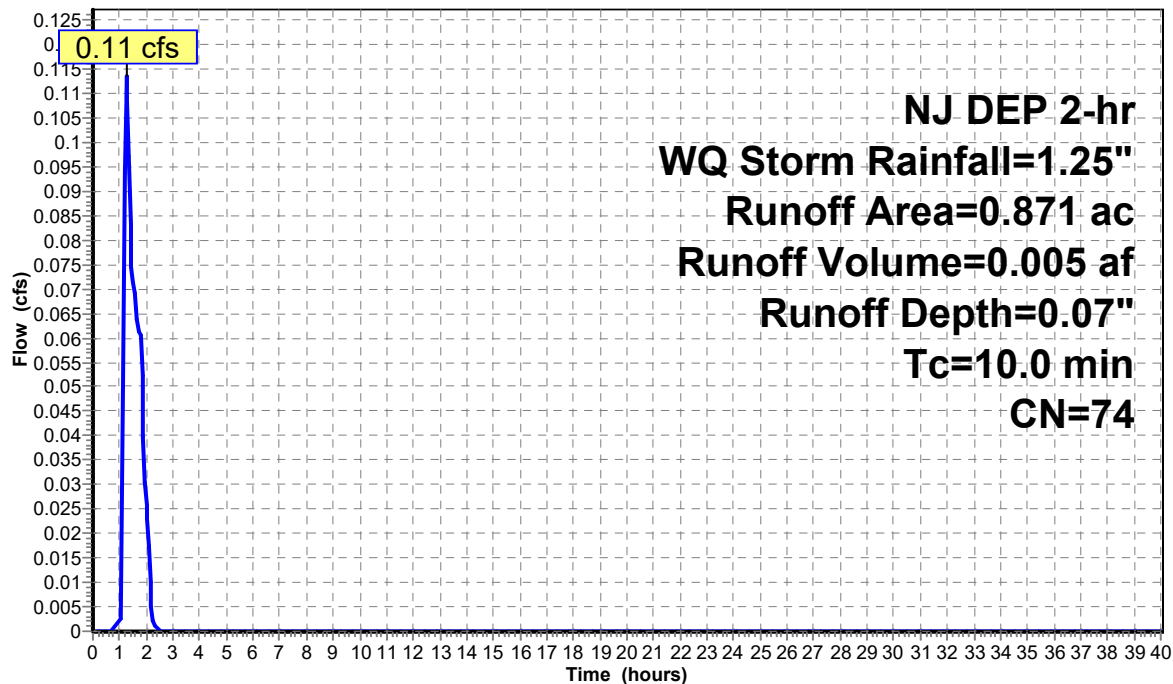
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry,

Subcatchment 17BP: PDA-17B (pervious)

Hydrograph



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.05	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.09	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.07	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.05	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	1.25	0.07	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Runoff = 8.03 cfs @ 1.15 hrs, Volume= 0.243 af, Depth= 0.60"

Routed to Link PDA-1OF : PDA-1 (offsite)

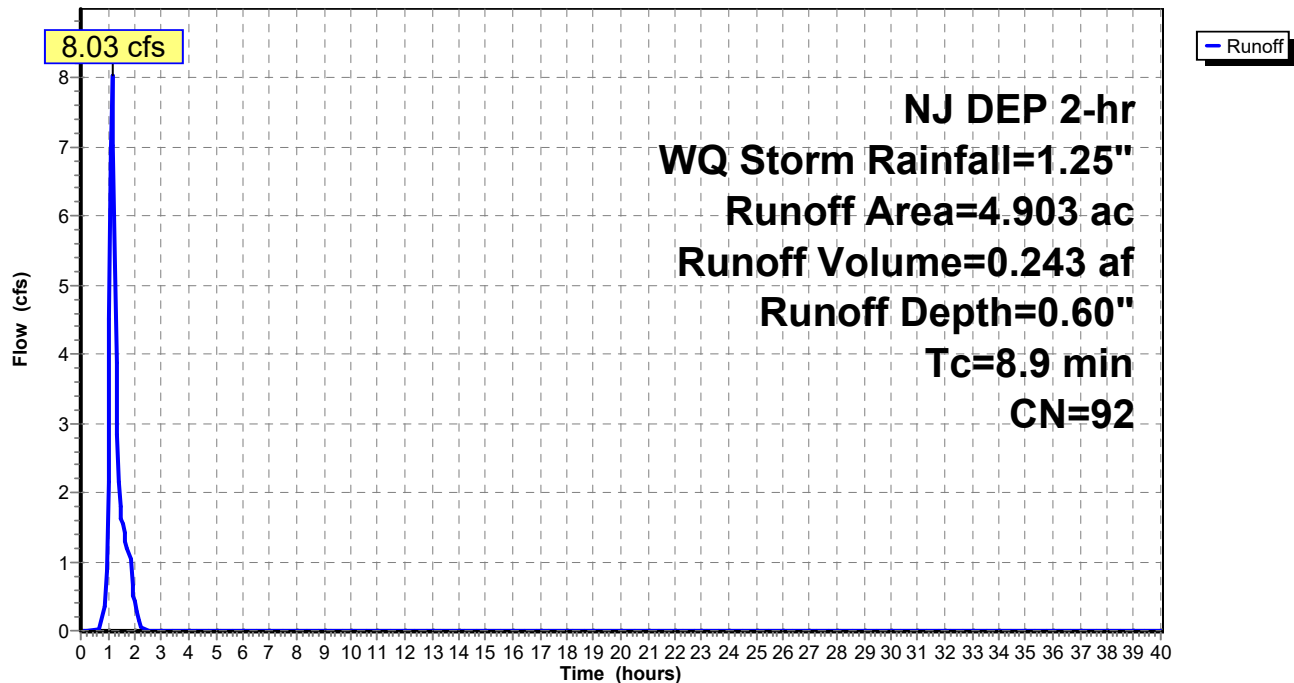
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
4.536	92	Paved roads w/open ditches, 50% imp, HSG C
* 0.367	98	Roofs
4.903	92	Weighted Average
2.268		46.26% Pervious Area
2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Hydrograph



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.60	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.60	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.60	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.60	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.60	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.60	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.60	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.60	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.60	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.60	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.60	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.60	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.60	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.60	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.60	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.60	0.00
0.80	0.23	0.00	0.03	3.40	1.25	0.60	0.00
0.85	0.28	0.01	0.13	3.45	1.25	0.60	0.00
0.90	0.34	0.03	0.36	3.50	1.25	0.60	0.00
0.95	0.46	0.07	0.86	3.55	1.25	0.60	0.00
1.00	0.63	0.15	2.16	3.60	1.25	0.60	0.00
1.05	0.79	0.25	4.52	3.65	1.25	0.60	0.00
1.10	0.91	0.34	6.91	3.70	1.25	0.60	0.00
1.15	0.97	0.38	8.03	3.75	1.25	0.60	0.00
1.20	1.02	0.41	7.02	3.80	1.25	0.60	0.00
1.25	1.05	0.44	5.26	3.85	1.25	0.60	0.00
1.30	1.07	0.46	3.87	3.90	1.25	0.60	0.00
1.35	1.09	0.47	2.84	3.95	1.25	0.60	0.00
1.40	1.11	0.49	2.15	4.00	1.25	0.60	0.00
1.45	1.13	0.50	1.79	4.05	1.25	0.60	0.00
1.50	1.15	0.52	1.62	4.10	1.25	0.60	0.00
1.55	1.17	0.53	1.54	4.15	1.25	0.60	0.00
1.60	1.18	0.54	1.42	4.20	1.25	0.60	0.00
1.65	1.20	0.55	1.29	4.25	1.25	0.60	0.00
1.70	1.21	0.56	1.22	4.30	1.25	0.60	0.00
1.75	1.23	0.58	1.19	4.35	1.25	0.60	0.00
1.80	1.23	0.58	1.14	4.40	1.25	0.60	0.00
1.85	1.24	0.58	0.93	4.45	1.25	0.60	0.00
1.90	1.24	0.59	0.67	4.50	1.25	0.60	0.00
1.95	1.25	0.59	0.51	4.55	1.25	0.60	0.00
2.00	1.25	0.60	0.45	4.60	1.25	0.60	0.00
2.05	1.25	0.60	0.40	4.65	1.25	0.60	0.00
2.10	1.25	0.60	0.28	4.70	1.25	0.60	0.00
2.15	1.25	0.60	0.14	4.75	1.25	0.60	0.00
2.20	1.25	0.60	0.06	4.80	1.25	0.60	0.00
2.25	1.25	0.60	0.03	4.85	1.25	0.60	0.00
2.30	1.25	0.60	0.01	4.90	1.25	0.60	0.00
2.35	1.25	0.60	0.00	4.95	1.25	0.60	0.00
2.40	1.25	0.60	0.00	5.00	1.25	0.60	0.00
2.45	1.25	0.60	0.00	5.05	1.25	0.60	0.00
2.50	1.25	0.60	0.00	5.10	1.25	0.60	0.00
2.55	1.25	0.60	0.00	5.15	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.60	0.00	7.80	1.25	0.60	0.00
5.25	1.25	0.60	0.00	7.85	1.25	0.60	0.00
5.30	1.25	0.60	0.00	7.90	1.25	0.60	0.00
5.35	1.25	0.60	0.00	7.95	1.25	0.60	0.00
5.40	1.25	0.60	0.00	8.00	1.25	0.60	0.00
5.45	1.25	0.60	0.00	8.05	1.25	0.60	0.00
5.50	1.25	0.60	0.00	8.10	1.25	0.60	0.00
5.55	1.25	0.60	0.00	8.15	1.25	0.60	0.00
5.60	1.25	0.60	0.00	8.20	1.25	0.60	0.00
5.65	1.25	0.60	0.00	8.25	1.25	0.60	0.00
5.70	1.25	0.60	0.00	8.30	1.25	0.60	0.00
5.75	1.25	0.60	0.00	8.35	1.25	0.60	0.00
5.80	1.25	0.60	0.00	8.40	1.25	0.60	0.00
5.85	1.25	0.60	0.00	8.45	1.25	0.60	0.00
5.90	1.25	0.60	0.00	8.50	1.25	0.60	0.00
5.95	1.25	0.60	0.00	8.55	1.25	0.60	0.00
6.00	1.25	0.60	0.00	8.60	1.25	0.60	0.00
6.05	1.25	0.60	0.00	8.65	1.25	0.60	0.00
6.10	1.25	0.60	0.00	8.70	1.25	0.60	0.00
6.15	1.25	0.60	0.00	8.75	1.25	0.60	0.00
6.20	1.25	0.60	0.00	8.80	1.25	0.60	0.00
6.25	1.25	0.60	0.00	8.85	1.25	0.60	0.00
6.30	1.25	0.60	0.00	8.90	1.25	0.60	0.00
6.35	1.25	0.60	0.00	8.95	1.25	0.60	0.00
6.40	1.25	0.60	0.00	9.00	1.25	0.60	0.00
6.45	1.25	0.60	0.00	9.05	1.25	0.60	0.00
6.50	1.25	0.60	0.00	9.10	1.25	0.60	0.00
6.55	1.25	0.60	0.00	9.15	1.25	0.60	0.00
6.60	1.25	0.60	0.00	9.20	1.25	0.60	0.00
6.65	1.25	0.60	0.00	9.25	1.25	0.60	0.00
6.70	1.25	0.60	0.00	9.30	1.25	0.60	0.00
6.75	1.25	0.60	0.00	9.35	1.25	0.60	0.00
6.80	1.25	0.60	0.00	9.40	1.25	0.60	0.00
6.85	1.25	0.60	0.00	9.45	1.25	0.60	0.00
6.90	1.25	0.60	0.00	9.50	1.25	0.60	0.00
6.95	1.25	0.60	0.00	9.55	1.25	0.60	0.00
7.00	1.25	0.60	0.00	9.60	1.25	0.60	0.00
7.05	1.25	0.60	0.00	9.65	1.25	0.60	0.00
7.10	1.25	0.60	0.00	9.70	1.25	0.60	0.00
7.15	1.25	0.60	0.00	9.75	1.25	0.60	0.00
7.20	1.25	0.60	0.00	9.80	1.25	0.60	0.00
7.25	1.25	0.60	0.00	9.85	1.25	0.60	0.00
7.30	1.25	0.60	0.00	9.90	1.25	0.60	0.00
7.35	1.25	0.60	0.00	9.95	1.25	0.60	0.00
7.40	1.25	0.60	0.00	10.00	1.25	0.60	0.00
7.45	1.25	0.60	0.00	10.05	1.25	0.60	0.00
7.50	1.25	0.60	0.00	10.10	1.25	0.60	0.00
7.55	1.25	0.60	0.00	10.15	1.25	0.60	0.00
7.60	1.25	0.60	0.00	10.20	1.25	0.60	0.00
7.65	1.25	0.60	0.00	10.25	1.25	0.60	0.00
7.70	1.25	0.60	0.00	10.30	1.25	0.60	0.00
7.75	1.25	0.60	0.00	10.35	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.60	0.00	13.00	1.25	0.60	0.00
10.45	1.25	0.60	0.00	13.05	1.25	0.60	0.00
10.50	1.25	0.60	0.00	13.10	1.25	0.60	0.00
10.55	1.25	0.60	0.00	13.15	1.25	0.60	0.00
10.60	1.25	0.60	0.00	13.20	1.25	0.60	0.00
10.65	1.25	0.60	0.00	13.25	1.25	0.60	0.00
10.70	1.25	0.60	0.00	13.30	1.25	0.60	0.00
10.75	1.25	0.60	0.00	13.35	1.25	0.60	0.00
10.80	1.25	0.60	0.00	13.40	1.25	0.60	0.00
10.85	1.25	0.60	0.00	13.45	1.25	0.60	0.00
10.90	1.25	0.60	0.00	13.50	1.25	0.60	0.00
10.95	1.25	0.60	0.00	13.55	1.25	0.60	0.00
11.00	1.25	0.60	0.00	13.60	1.25	0.60	0.00
11.05	1.25	0.60	0.00	13.65	1.25	0.60	0.00
11.10	1.25	0.60	0.00	13.70	1.25	0.60	0.00
11.15	1.25	0.60	0.00	13.75	1.25	0.60	0.00
11.20	1.25	0.60	0.00	13.80	1.25	0.60	0.00
11.25	1.25	0.60	0.00	13.85	1.25	0.60	0.00
11.30	1.25	0.60	0.00	13.90	1.25	0.60	0.00
11.35	1.25	0.60	0.00	13.95	1.25	0.60	0.00
11.40	1.25	0.60	0.00	14.00	1.25	0.60	0.00
11.45	1.25	0.60	0.00	14.05	1.25	0.60	0.00
11.50	1.25	0.60	0.00	14.10	1.25	0.60	0.00
11.55	1.25	0.60	0.00	14.15	1.25	0.60	0.00
11.60	1.25	0.60	0.00	14.20	1.25	0.60	0.00
11.65	1.25	0.60	0.00	14.25	1.25	0.60	0.00
11.70	1.25	0.60	0.00	14.30	1.25	0.60	0.00
11.75	1.25	0.60	0.00	14.35	1.25	0.60	0.00
11.80	1.25	0.60	0.00	14.40	1.25	0.60	0.00
11.85	1.25	0.60	0.00	14.45	1.25	0.60	0.00
11.90	1.25	0.60	0.00	14.50	1.25	0.60	0.00
11.95	1.25	0.60	0.00	14.55	1.25	0.60	0.00
12.00	1.25	0.60	0.00	14.60	1.25	0.60	0.00
12.05	1.25	0.60	0.00	14.65	1.25	0.60	0.00
12.10	1.25	0.60	0.00	14.70	1.25	0.60	0.00
12.15	1.25	0.60	0.00	14.75	1.25	0.60	0.00
12.20	1.25	0.60	0.00	14.80	1.25	0.60	0.00
12.25	1.25	0.60	0.00	14.85	1.25	0.60	0.00
12.30	1.25	0.60	0.00	14.90	1.25	0.60	0.00
12.35	1.25	0.60	0.00	14.95	1.25	0.60	0.00
12.40	1.25	0.60	0.00	15.00	1.25	0.60	0.00
12.45	1.25	0.60	0.00	15.05	1.25	0.60	0.00
12.50	1.25	0.60	0.00	15.10	1.25	0.60	0.00
12.55	1.25	0.60	0.00	15.15	1.25	0.60	0.00
12.60	1.25	0.60	0.00	15.20	1.25	0.60	0.00
12.65	1.25	0.60	0.00	15.25	1.25	0.60	0.00
12.70	1.25	0.60	0.00	15.30	1.25	0.60	0.00
12.75	1.25	0.60	0.00	15.35	1.25	0.60	0.00
12.80	1.25	0.60	0.00	15.40	1.25	0.60	0.00
12.85	1.25	0.60	0.00	15.45	1.25	0.60	0.00
12.90	1.25	0.60	0.00	15.50	1.25	0.60	0.00
12.95	1.25	0.60	0.00	15.55	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.60	0.00	18.20	1.25	0.60	0.00
15.65	1.25	0.60	0.00	18.25	1.25	0.60	0.00
15.70	1.25	0.60	0.00	18.30	1.25	0.60	0.00
15.75	1.25	0.60	0.00	18.35	1.25	0.60	0.00
15.80	1.25	0.60	0.00	18.40	1.25	0.60	0.00
15.85	1.25	0.60	0.00	18.45	1.25	0.60	0.00
15.90	1.25	0.60	0.00	18.50	1.25	0.60	0.00
15.95	1.25	0.60	0.00	18.55	1.25	0.60	0.00
16.00	1.25	0.60	0.00	18.60	1.25	0.60	0.00
16.05	1.25	0.60	0.00	18.65	1.25	0.60	0.00
16.10	1.25	0.60	0.00	18.70	1.25	0.60	0.00
16.15	1.25	0.60	0.00	18.75	1.25	0.60	0.00
16.20	1.25	0.60	0.00	18.80	1.25	0.60	0.00
16.25	1.25	0.60	0.00	18.85	1.25	0.60	0.00
16.30	1.25	0.60	0.00	18.90	1.25	0.60	0.00
16.35	1.25	0.60	0.00	18.95	1.25	0.60	0.00
16.40	1.25	0.60	0.00	19.00	1.25	0.60	0.00
16.45	1.25	0.60	0.00	19.05	1.25	0.60	0.00
16.50	1.25	0.60	0.00	19.10	1.25	0.60	0.00
16.55	1.25	0.60	0.00	19.15	1.25	0.60	0.00
16.60	1.25	0.60	0.00	19.20	1.25	0.60	0.00
16.65	1.25	0.60	0.00	19.25	1.25	0.60	0.00
16.70	1.25	0.60	0.00	19.30	1.25	0.60	0.00
16.75	1.25	0.60	0.00	19.35	1.25	0.60	0.00
16.80	1.25	0.60	0.00	19.40	1.25	0.60	0.00
16.85	1.25	0.60	0.00	19.45	1.25	0.60	0.00
16.90	1.25	0.60	0.00	19.50	1.25	0.60	0.00
16.95	1.25	0.60	0.00	19.55	1.25	0.60	0.00
17.00	1.25	0.60	0.00	19.60	1.25	0.60	0.00
17.05	1.25	0.60	0.00	19.65	1.25	0.60	0.00
17.10	1.25	0.60	0.00	19.70	1.25	0.60	0.00
17.15	1.25	0.60	0.00	19.75	1.25	0.60	0.00
17.20	1.25	0.60	0.00	19.80	1.25	0.60	0.00
17.25	1.25	0.60	0.00	19.85	1.25	0.60	0.00
17.30	1.25	0.60	0.00	19.90	1.25	0.60	0.00
17.35	1.25	0.60	0.00	19.95	1.25	0.60	0.00
17.40	1.25	0.60	0.00	20.00	1.25	0.60	0.00
17.45	1.25	0.60	0.00	20.05	1.25	0.60	0.00
17.50	1.25	0.60	0.00	20.10	1.25	0.60	0.00
17.55	1.25	0.60	0.00	20.15	1.25	0.60	0.00
17.60	1.25	0.60	0.00	20.20	1.25	0.60	0.00
17.65	1.25	0.60	0.00	20.25	1.25	0.60	0.00
17.70	1.25	0.60	0.00	20.30	1.25	0.60	0.00
17.75	1.25	0.60	0.00	20.35	1.25	0.60	0.00
17.80	1.25	0.60	0.00	20.40	1.25	0.60	0.00
17.85	1.25	0.60	0.00	20.45	1.25	0.60	0.00
17.90	1.25	0.60	0.00	20.50	1.25	0.60	0.00
17.95	1.25	0.60	0.00	20.55	1.25	0.60	0.00
18.00	1.25	0.60	0.00	20.60	1.25	0.60	0.00
18.05	1.25	0.60	0.00	20.65	1.25	0.60	0.00
18.10	1.25	0.60	0.00	20.70	1.25	0.60	0.00
18.15	1.25	0.60	0.00	20.75	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.60	0.00	23.40	1.25	0.60	0.00
20.85	1.25	0.60	0.00	23.45	1.25	0.60	0.00
20.90	1.25	0.60	0.00	23.50	1.25	0.60	0.00
20.95	1.25	0.60	0.00	23.55	1.25	0.60	0.00
21.00	1.25	0.60	0.00	23.60	1.25	0.60	0.00
21.05	1.25	0.60	0.00	23.65	1.25	0.60	0.00
21.10	1.25	0.60	0.00	23.70	1.25	0.60	0.00
21.15	1.25	0.60	0.00	23.75	1.25	0.60	0.00
21.20	1.25	0.60	0.00	23.80	1.25	0.60	0.00
21.25	1.25	0.60	0.00	23.85	1.25	0.60	0.00
21.30	1.25	0.60	0.00	23.90	1.25	0.60	0.00
21.35	1.25	0.60	0.00	23.95	1.25	0.60	0.00
21.40	1.25	0.60	0.00	24.00	1.25	0.60	0.00
21.45	1.25	0.60	0.00	24.05	1.25	0.60	0.00
21.50	1.25	0.60	0.00	24.10	1.25	0.60	0.00
21.55	1.25	0.60	0.00	24.15	1.25	0.60	0.00
21.60	1.25	0.60	0.00	24.20	1.25	0.60	0.00
21.65	1.25	0.60	0.00	24.25	1.25	0.60	0.00
21.70	1.25	0.60	0.00	24.30	1.25	0.60	0.00
21.75	1.25	0.60	0.00	24.35	1.25	0.60	0.00
21.80	1.25	0.60	0.00	24.40	1.25	0.60	0.00
21.85	1.25	0.60	0.00	24.45	1.25	0.60	0.00
21.90	1.25	0.60	0.00	24.50	1.25	0.60	0.00
21.95	1.25	0.60	0.00	24.55	1.25	0.60	0.00
22.00	1.25	0.60	0.00	24.60	1.25	0.60	0.00
22.05	1.25	0.60	0.00	24.65	1.25	0.60	0.00
22.10	1.25	0.60	0.00	24.70	1.25	0.60	0.00
22.15	1.25	0.60	0.00	24.75	1.25	0.60	0.00
22.20	1.25	0.60	0.00	24.80	1.25	0.60	0.00
22.25	1.25	0.60	0.00	24.85	1.25	0.60	0.00
22.30	1.25	0.60	0.00	24.90	1.25	0.60	0.00
22.35	1.25	0.60	0.00	24.95	1.25	0.60	0.00
22.40	1.25	0.60	0.00	25.00	1.25	0.60	0.00
22.45	1.25	0.60	0.00	25.05	1.25	0.60	0.00
22.50	1.25	0.60	0.00	25.10	1.25	0.60	0.00
22.55	1.25	0.60	0.00	25.15	1.25	0.60	0.00
22.60	1.25	0.60	0.00	25.20	1.25	0.60	0.00
22.65	1.25	0.60	0.00	25.25	1.25	0.60	0.00
22.70	1.25	0.60	0.00	25.30	1.25	0.60	0.00
22.75	1.25	0.60	0.00	25.35	1.25	0.60	0.00
22.80	1.25	0.60	0.00	25.40	1.25	0.60	0.00
22.85	1.25	0.60	0.00	25.45	1.25	0.60	0.00
22.90	1.25	0.60	0.00	25.50	1.25	0.60	0.00
22.95	1.25	0.60	0.00	25.55	1.25	0.60	0.00
23.00	1.25	0.60	0.00	25.60	1.25	0.60	0.00
23.05	1.25	0.60	0.00	25.65	1.25	0.60	0.00
23.10	1.25	0.60	0.00	25.70	1.25	0.60	0.00
23.15	1.25	0.60	0.00	25.75	1.25	0.60	0.00
23.20	1.25	0.60	0.00	25.80	1.25	0.60	0.00
23.25	1.25	0.60	0.00	25.85	1.25	0.60	0.00
23.30	1.25	0.60	0.00	25.90	1.25	0.60	0.00
23.35	1.25	0.60	0.00	25.95	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.60	0.00	28.60	1.25	0.60	0.00
26.05	1.25	0.60	0.00	28.65	1.25	0.60	0.00
26.10	1.25	0.60	0.00	28.70	1.25	0.60	0.00
26.15	1.25	0.60	0.00	28.75	1.25	0.60	0.00
26.20	1.25	0.60	0.00	28.80	1.25	0.60	0.00
26.25	1.25	0.60	0.00	28.85	1.25	0.60	0.00
26.30	1.25	0.60	0.00	28.90	1.25	0.60	0.00
26.35	1.25	0.60	0.00	28.95	1.25	0.60	0.00
26.40	1.25	0.60	0.00	29.00	1.25	0.60	0.00
26.45	1.25	0.60	0.00	29.05	1.25	0.60	0.00
26.50	1.25	0.60	0.00	29.10	1.25	0.60	0.00
26.55	1.25	0.60	0.00	29.15	1.25	0.60	0.00
26.60	1.25	0.60	0.00	29.20	1.25	0.60	0.00
26.65	1.25	0.60	0.00	29.25	1.25	0.60	0.00
26.70	1.25	0.60	0.00	29.30	1.25	0.60	0.00
26.75	1.25	0.60	0.00	29.35	1.25	0.60	0.00
26.80	1.25	0.60	0.00	29.40	1.25	0.60	0.00
26.85	1.25	0.60	0.00	29.45	1.25	0.60	0.00
26.90	1.25	0.60	0.00	29.50	1.25	0.60	0.00
26.95	1.25	0.60	0.00	29.55	1.25	0.60	0.00
27.00	1.25	0.60	0.00	29.60	1.25	0.60	0.00
27.05	1.25	0.60	0.00	29.65	1.25	0.60	0.00
27.10	1.25	0.60	0.00	29.70	1.25	0.60	0.00
27.15	1.25	0.60	0.00	29.75	1.25	0.60	0.00
27.20	1.25	0.60	0.00	29.80	1.25	0.60	0.00
27.25	1.25	0.60	0.00	29.85	1.25	0.60	0.00
27.30	1.25	0.60	0.00	29.90	1.25	0.60	0.00
27.35	1.25	0.60	0.00	29.95	1.25	0.60	0.00
27.40	1.25	0.60	0.00	30.00	1.25	0.60	0.00
27.45	1.25	0.60	0.00	30.05	1.25	0.60	0.00
27.50	1.25	0.60	0.00	30.10	1.25	0.60	0.00
27.55	1.25	0.60	0.00	30.15	1.25	0.60	0.00
27.60	1.25	0.60	0.00	30.20	1.25	0.60	0.00
27.65	1.25	0.60	0.00	30.25	1.25	0.60	0.00
27.70	1.25	0.60	0.00	30.30	1.25	0.60	0.00
27.75	1.25	0.60	0.00	30.35	1.25	0.60	0.00
27.80	1.25	0.60	0.00	30.40	1.25	0.60	0.00
27.85	1.25	0.60	0.00	30.45	1.25	0.60	0.00
27.90	1.25	0.60	0.00	30.50	1.25	0.60	0.00
27.95	1.25	0.60	0.00	30.55	1.25	0.60	0.00
28.00	1.25	0.60	0.00	30.60	1.25	0.60	0.00
28.05	1.25	0.60	0.00	30.65	1.25	0.60	0.00
28.10	1.25	0.60	0.00	30.70	1.25	0.60	0.00
28.15	1.25	0.60	0.00	30.75	1.25	0.60	0.00
28.20	1.25	0.60	0.00	30.80	1.25	0.60	0.00
28.25	1.25	0.60	0.00	30.85	1.25	0.60	0.00
28.30	1.25	0.60	0.00	30.90	1.25	0.60	0.00
28.35	1.25	0.60	0.00	30.95	1.25	0.60	0.00
28.40	1.25	0.60	0.00	31.00	1.25	0.60	0.00
28.45	1.25	0.60	0.00	31.05	1.25	0.60	0.00
28.50	1.25	0.60	0.00	31.10	1.25	0.60	0.00
28.55	1.25	0.60	0.00	31.15	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.60	0.00	33.80	1.25	0.60	0.00
31.25	1.25	0.60	0.00	33.85	1.25	0.60	0.00
31.30	1.25	0.60	0.00	33.90	1.25	0.60	0.00
31.35	1.25	0.60	0.00	33.95	1.25	0.60	0.00
31.40	1.25	0.60	0.00	34.00	1.25	0.60	0.00
31.45	1.25	0.60	0.00	34.05	1.25	0.60	0.00
31.50	1.25	0.60	0.00	34.10	1.25	0.60	0.00
31.55	1.25	0.60	0.00	34.15	1.25	0.60	0.00
31.60	1.25	0.60	0.00	34.20	1.25	0.60	0.00
31.65	1.25	0.60	0.00	34.25	1.25	0.60	0.00
31.70	1.25	0.60	0.00	34.30	1.25	0.60	0.00
31.75	1.25	0.60	0.00	34.35	1.25	0.60	0.00
31.80	1.25	0.60	0.00	34.40	1.25	0.60	0.00
31.85	1.25	0.60	0.00	34.45	1.25	0.60	0.00
31.90	1.25	0.60	0.00	34.50	1.25	0.60	0.00
31.95	1.25	0.60	0.00	34.55	1.25	0.60	0.00
32.00	1.25	0.60	0.00	34.60	1.25	0.60	0.00
32.05	1.25	0.60	0.00	34.65	1.25	0.60	0.00
32.10	1.25	0.60	0.00	34.70	1.25	0.60	0.00
32.15	1.25	0.60	0.00	34.75	1.25	0.60	0.00
32.20	1.25	0.60	0.00	34.80	1.25	0.60	0.00
32.25	1.25	0.60	0.00	34.85	1.25	0.60	0.00
32.30	1.25	0.60	0.00	34.90	1.25	0.60	0.00
32.35	1.25	0.60	0.00	34.95	1.25	0.60	0.00
32.40	1.25	0.60	0.00	35.00	1.25	0.60	0.00
32.45	1.25	0.60	0.00	35.05	1.25	0.60	0.00
32.50	1.25	0.60	0.00	35.10	1.25	0.60	0.00
32.55	1.25	0.60	0.00	35.15	1.25	0.60	0.00
32.60	1.25	0.60	0.00	35.20	1.25	0.60	0.00
32.65	1.25	0.60	0.00	35.25	1.25	0.60	0.00
32.70	1.25	0.60	0.00	35.30	1.25	0.60	0.00
32.75	1.25	0.60	0.00	35.35	1.25	0.60	0.00
32.80	1.25	0.60	0.00	35.40	1.25	0.60	0.00
32.85	1.25	0.60	0.00	35.45	1.25	0.60	0.00
32.90	1.25	0.60	0.00	35.50	1.25	0.60	0.00
32.95	1.25	0.60	0.00	35.55	1.25	0.60	0.00
33.00	1.25	0.60	0.00	35.60	1.25	0.60	0.00
33.05	1.25	0.60	0.00	35.65	1.25	0.60	0.00
33.10	1.25	0.60	0.00	35.70	1.25	0.60	0.00
33.15	1.25	0.60	0.00	35.75	1.25	0.60	0.00
33.20	1.25	0.60	0.00	35.80	1.25	0.60	0.00
33.25	1.25	0.60	0.00	35.85	1.25	0.60	0.00
33.30	1.25	0.60	0.00	35.90	1.25	0.60	0.00
33.35	1.25	0.60	0.00	35.95	1.25	0.60	0.00
33.40	1.25	0.60	0.00	36.00	1.25	0.60	0.00
33.45	1.25	0.60	0.00	36.05	1.25	0.60	0.00
33.50	1.25	0.60	0.00	36.10	1.25	0.60	0.00
33.55	1.25	0.60	0.00	36.15	1.25	0.60	0.00
33.60	1.25	0.60	0.00	36.20	1.25	0.60	0.00
33.65	1.25	0.60	0.00	36.25	1.25	0.60	0.00
33.70	1.25	0.60	0.00	36.30	1.25	0.60	0.00
33.75	1.25	0.60	0.00	36.35	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.60	0.00	39.00	1.25	0.60	0.00
36.45	1.25	0.60	0.00	39.05	1.25	0.60	0.00
36.50	1.25	0.60	0.00	39.10	1.25	0.60	0.00
36.55	1.25	0.60	0.00	39.15	1.25	0.60	0.00
36.60	1.25	0.60	0.00	39.20	1.25	0.60	0.00
36.65	1.25	0.60	0.00	39.25	1.25	0.60	0.00
36.70	1.25	0.60	0.00	39.30	1.25	0.60	0.00
36.75	1.25	0.60	0.00	39.35	1.25	0.60	0.00
36.80	1.25	0.60	0.00	39.40	1.25	0.60	0.00
36.85	1.25	0.60	0.00	39.45	1.25	0.60	0.00
36.90	1.25	0.60	0.00	39.50	1.25	0.60	0.00
36.95	1.25	0.60	0.00	39.55	1.25	0.60	0.00
37.00	1.25	0.60	0.00	39.60	1.25	0.60	0.00
37.05	1.25	0.60	0.00	39.65	1.25	0.60	0.00
37.10	1.25	0.60	0.00	39.70	1.25	0.60	0.00
37.15	1.25	0.60	0.00	39.75	1.25	0.60	0.00
37.20	1.25	0.60	0.00	39.80	1.25	0.60	0.00
37.25	1.25	0.60	0.00	39.85	1.25	0.60	0.00
37.30	1.25	0.60	0.00	39.90	1.25	0.60	0.00
37.35	1.25	0.60	0.00	39.95	1.25	0.60	0.00
37.40	1.25	0.60	0.00	40.00	1.25	0.60	0.00
37.45	1.25	0.60	0.00				
37.50	1.25	0.60	0.00				
37.55	1.25	0.60	0.00				
37.60	1.25	0.60	0.00				
37.65	1.25	0.60	0.00				
37.70	1.25	0.60	0.00				
37.75	1.25	0.60	0.00				
37.80	1.25	0.60	0.00				
37.85	1.25	0.60	0.00				
37.90	1.25	0.60	0.00				
37.95	1.25	0.60	0.00				
38.00	1.25	0.60	0.00				
38.05	1.25	0.60	0.00				
38.10	1.25	0.60	0.00				
38.15	1.25	0.60	0.00				
38.20	1.25	0.60	0.00				
38.25	1.25	0.60	0.00				
38.30	1.25	0.60	0.00				
38.35	1.25	0.60	0.00				
38.40	1.25	0.60	0.00				
38.45	1.25	0.60	0.00				
38.50	1.25	0.60	0.00				
38.55	1.25	0.60	0.00				
38.60	1.25	0.60	0.00				
38.65	1.25	0.60	0.00				
38.70	1.25	0.60	0.00				
38.75	1.25	0.60	0.00				
38.80	1.25	0.60	0.00				
38.85	1.25	0.60	0.00				
38.90	1.25	0.60	0.00				
38.95	1.25	0.60	0.00				

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Runoff = 0.60 cfs @ 1.78 hrs, Volume= 0.028 af, Depth= 0.01"

Routed to Link PDA-1OF : PDA-1 (offsite)

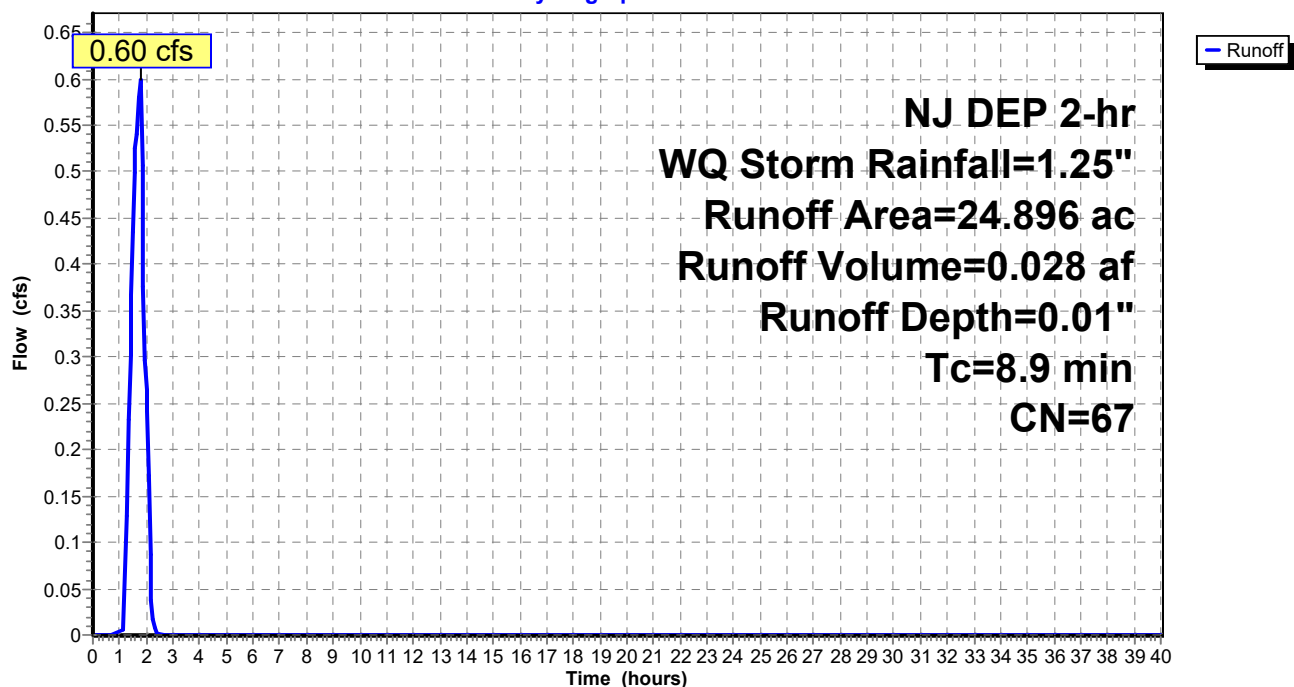
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.9					Direct Entry,

Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Hydrograph



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.03	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.13	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.23	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.30	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.37	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.44	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.50	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.53	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.53	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.55	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.58	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.59	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.51	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.38	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.30	4.55	1.25	0.01	0.00
2.00	1.25	0.01	0.26	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.24	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.17	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.09	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.04	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.02	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.01	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.00	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.00	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.00	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.00	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.00	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00	39.00	1.25	0.01	0.00
36.45	1.25	0.01	0.00	39.05	1.25	0.01	0.00
36.50	1.25	0.01	0.00	39.10	1.25	0.01	0.00
36.55	1.25	0.01	0.00	39.15	1.25	0.01	0.00
36.60	1.25	0.01	0.00	39.20	1.25	0.01	0.00
36.65	1.25	0.01	0.00	39.25	1.25	0.01	0.00
36.70	1.25	0.01	0.00	39.30	1.25	0.01	0.00
36.75	1.25	0.01	0.00	39.35	1.25	0.01	0.00
36.80	1.25	0.01	0.00	39.40	1.25	0.01	0.00
36.85	1.25	0.01	0.00	39.45	1.25	0.01	0.00
36.90	1.25	0.01	0.00	39.50	1.25	0.01	0.00
36.95	1.25	0.01	0.00	39.55	1.25	0.01	0.00
37.00	1.25	0.01	0.00	39.60	1.25	0.01	0.00
37.05	1.25	0.01	0.00	39.65	1.25	0.01	0.00
37.10	1.25	0.01	0.00	39.70	1.25	0.01	0.00
37.15	1.25	0.01	0.00	39.75	1.25	0.01	0.00
37.20	1.25	0.01	0.00	39.80	1.25	0.01	0.00
37.25	1.25	0.01	0.00	39.85	1.25	0.01	0.00
37.30	1.25	0.01	0.00	39.90	1.25	0.01	0.00
37.35	1.25	0.01	0.00	39.95	1.25	0.01	0.00
37.40	1.25	0.01	0.00	40.00	1.25	0.01	0.00
37.45	1.25	0.01	0.00				
37.50	1.25	0.01	0.00				
37.55	1.25	0.01	0.00				
37.60	1.25	0.01	0.00				
37.65	1.25	0.01	0.00				
37.70	1.25	0.01	0.00				
37.75	1.25	0.01	0.00				
37.80	1.25	0.01	0.00				
37.85	1.25	0.01	0.00				
37.90	1.25	0.01	0.00				
37.95	1.25	0.01	0.00				
38.00	1.25	0.01	0.00				
38.05	1.25	0.01	0.00				
38.10	1.25	0.01	0.00				
38.15	1.25	0.01	0.00				
38.20	1.25	0.01	0.00				
38.25	1.25	0.01	0.00				
38.30	1.25	0.01	0.00				
38.35	1.25	0.01	0.00				
38.40	1.25	0.01	0.00				
38.45	1.25	0.01	0.00				
38.50	1.25	0.01	0.00				
38.55	1.25	0.01	0.00				
38.60	1.25	0.01	0.00				
38.65	1.25	0.01	0.00				
38.70	1.25	0.01	0.00				
38.75	1.25	0.01	0.00				
38.80	1.25	0.01	0.00				
38.85	1.25	0.01	0.00				
38.90	1.25	0.01	0.00				
38.95	1.25	0.01	0.00				

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

Runoff = 2.25 cfs @ 1.52 hrs, Volume= 0.153 af, Depth= 0.07"
 Routed to Link PDA-1ON : PDA-1 (onsite)

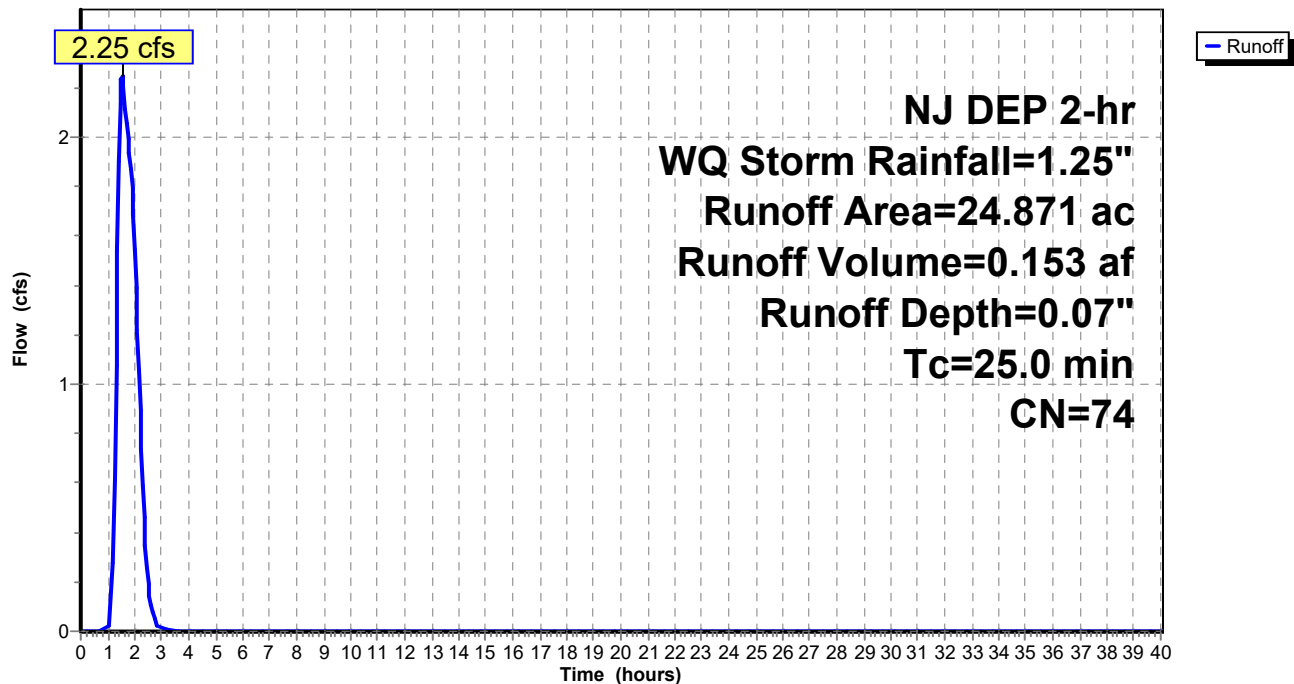
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
24.871	74	>75% Grass cover, Good, HSG C
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
25.0					Direct Entry,

Subcatchment UPDA-1: PDA-1 (undetained)

Hydrograph



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.10
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.08
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.06
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.02
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.01
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.09	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.28	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.62	3.85	1.25	0.07	0.00
1.30	1.07	0.03	1.08	3.90	1.25	0.07	0.00
1.35	1.09	0.04	1.54	3.95	1.25	0.07	0.00
1.40	1.11	0.04	1.90	4.00	1.25	0.07	0.00
1.45	1.13	0.05	2.13	4.05	1.25	0.07	0.00
1.50	1.15	0.05	2.24	4.10	1.25	0.07	0.00
1.55	1.17	0.05	2.24	4.15	1.25	0.07	0.00
1.60	1.18	0.06	2.18	4.20	1.25	0.07	0.00
1.65	1.20	0.06	2.12	4.25	1.25	0.07	0.00
1.70	1.21	0.06	2.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	2.00	4.35	1.25	0.07	0.00
1.80	1.23	0.07	1.94	4.40	1.25	0.07	0.00
1.85	1.24	0.07	1.88	4.45	1.25	0.07	0.00
1.90	1.24	0.07	1.80	4.50	1.25	0.07	0.00
1.95	1.25	0.07	1.69	4.55	1.25	0.07	0.00
2.00	1.25	0.07	1.55	4.60	1.25	0.07	0.00
2.05	1.25	0.07	1.39	4.65	1.25	0.07	0.00
2.10	1.25	0.07	1.22	4.70	1.25	0.07	0.00
2.15	1.25	0.07	1.06	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.90	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.74	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.59	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.46	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.35	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.26	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.19	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.14	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00	39.00	1.25	0.07	0.00
36.45	1.25	0.07	0.00	39.05	1.25	0.07	0.00
36.50	1.25	0.07	0.00	39.10	1.25	0.07	0.00
36.55	1.25	0.07	0.00	39.15	1.25	0.07	0.00
36.60	1.25	0.07	0.00	39.20	1.25	0.07	0.00
36.65	1.25	0.07	0.00	39.25	1.25	0.07	0.00
36.70	1.25	0.07	0.00	39.30	1.25	0.07	0.00
36.75	1.25	0.07	0.00	39.35	1.25	0.07	0.00
36.80	1.25	0.07	0.00	39.40	1.25	0.07	0.00
36.85	1.25	0.07	0.00	39.45	1.25	0.07	0.00
36.90	1.25	0.07	0.00	39.50	1.25	0.07	0.00
36.95	1.25	0.07	0.00	39.55	1.25	0.07	0.00
37.00	1.25	0.07	0.00	39.60	1.25	0.07	0.00
37.05	1.25	0.07	0.00	39.65	1.25	0.07	0.00
37.10	1.25	0.07	0.00	39.70	1.25	0.07	0.00
37.15	1.25	0.07	0.00	39.75	1.25	0.07	0.00
37.20	1.25	0.07	0.00	39.80	1.25	0.07	0.00
37.25	1.25	0.07	0.00	39.85	1.25	0.07	0.00
37.30	1.25	0.07	0.00	39.90	1.25	0.07	0.00
37.35	1.25	0.07	0.00	39.95	1.25	0.07	0.00
37.40	1.25	0.07	0.00	40.00	1.25	0.07	0.00
37.45	1.25	0.07	0.00				
37.50	1.25	0.07	0.00				
37.55	1.25	0.07	0.00				
37.60	1.25	0.07	0.00				
37.65	1.25	0.07	0.00				
37.70	1.25	0.07	0.00				
37.75	1.25	0.07	0.00				
37.80	1.25	0.07	0.00				
37.85	1.25	0.07	0.00				
37.90	1.25	0.07	0.00				
37.95	1.25	0.07	0.00				
38.00	1.25	0.07	0.00				
38.05	1.25	0.07	0.00				
38.10	1.25	0.07	0.00				
38.15	1.25	0.07	0.00				
38.20	1.25	0.07	0.00				
38.25	1.25	0.07	0.00				
38.30	1.25	0.07	0.00				
38.35	1.25	0.07	0.00				
38.40	1.25	0.07	0.00				
38.45	1.25	0.07	0.00				
38.50	1.25	0.07	0.00				
38.55	1.25	0.07	0.00				
38.60	1.25	0.07	0.00				
38.65	1.25	0.07	0.00				
38.70	1.25	0.07	0.00				
38.75	1.25	0.07	0.00				
38.80	1.25	0.07	0.00				
38.85	1.25	0.07	0.00				
38.90	1.25	0.07	0.00				
38.95	1.25	0.07	0.00				

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth > 0.03" for WQ Storm event
 Inflow = 0.12 cfs @ 1.27 hrs, Volume= 0.006 af
 Outflow = 0.00 cfs @ 40.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 2,323.9 min
 Primary = 0.00 cfs @ 40.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 209.02' @ 40.00 hrs Surf.Area= 10,210 sf Storage= 250 cf

Plug-Flow detention time= 1,243.4 min calculated for 0.000 af (4% of inflow)
 Center-of-Mass det. time= 1,133.0 min (1,312.0 - 179.0)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

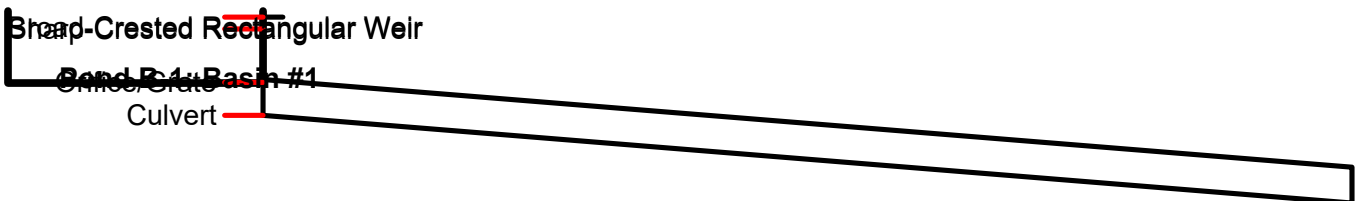
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	18.0" Round Culvert L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 ' / ' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	211.75'	50.0' long + 3.0 ' /' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 40.00 hrs HW=209.02' (Free Discharge)

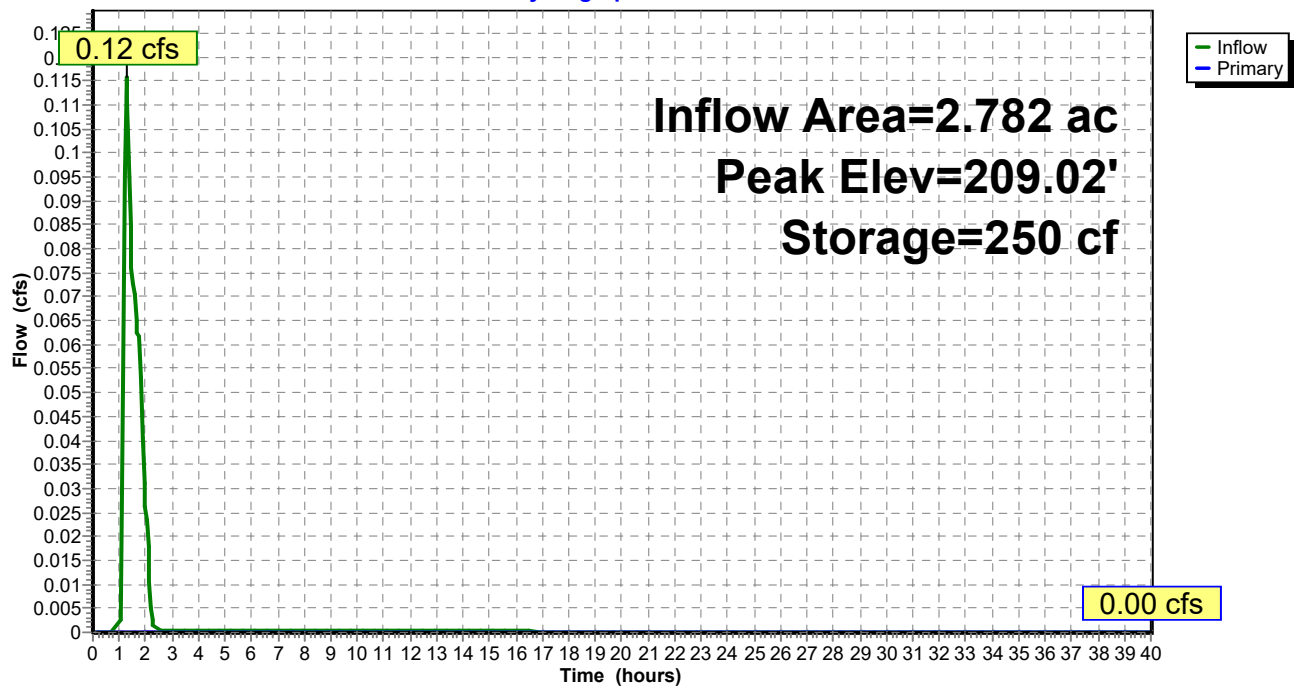
1=Culvert (Passes 0.00 cfs of 6.77 cfs potential flow)
 2=Orifice/Grate (Orifice Controls 0.00 cfs @ 0.23 fps)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)

Sharp-Crested Rectangular Weir
 Pond B-1 Basin #1
 Culvert



Pond B-1: Basin #1

Hydrograph



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.01	1	209.00	0.00
1.20	0.10	20	209.00	0.00
1.30	0.11	59	209.01	0.00
1.40	0.08	95	209.01	0.00
1.50	0.07	122	209.01	0.00
1.60	0.07	148	209.01	0.00
1.70	0.06	172	209.02	0.00
1.80	0.06	194	209.02	0.00
1.90	0.04	213	209.02	0.00
2.00	0.03	224	209.02	0.00
2.10	0.02	233	209.02	0.00
2.20	0.01	237	209.02	0.00
2.30	0.00	238	209.02	0.00
2.40	0.00	238	209.02	0.00
2.50	0.00	238	209.02	0.00
2.60	0.00	238	209.02	0.00
2.70	0.00	238	209.02	0.00
2.80	0.00	238	209.02	0.00
2.90	0.00	238	209.02	0.00
3.00	0.00	238	209.02	0.00
3.10	0.00	238	209.02	0.00
3.20	0.00	238	209.02	0.00
3.30	0.00	239	209.02	0.00
3.40	0.00	239	209.02	0.00
3.50	0.00	239	209.02	0.00
3.60	0.00	239	209.02	0.00
3.70	0.00	239	209.02	0.00
3.80	0.00	239	209.02	0.00
3.90	0.00	239	209.02	0.00
4.00	0.00	239	209.02	0.00
4.10	0.00	239	209.02	0.00
4.20	0.00	239	209.02	0.00
4.30	0.00	239	209.02	0.00
4.40	0.00	239	209.02	0.00
4.50	0.00	239	209.02	0.00
4.60	0.00	239	209.02	0.00
4.70	0.00	240	209.02	0.00
4.80	0.00	240	209.02	0.00
4.90	0.00	240	209.02	0.00
5.00	0.00	240	209.02	0.00
5.10	0.00	240	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	240	209.02	0.00
5.30	0.00	240	209.02	0.00
5.40	0.00	240	209.02	0.00
5.50	0.00	240	209.02	0.00
5.60	0.00	240	209.02	0.00
5.70	0.00	240	209.02	0.00
5.80	0.00	240	209.02	0.00
5.90	0.00	240	209.02	0.00
6.00	0.00	240	209.02	0.00
6.10	0.00	240	209.02	0.00
6.20	0.00	240	209.02	0.00
6.30	0.00	241	209.02	0.00
6.40	0.00	241	209.02	0.00
6.50	0.00	241	209.02	0.00
6.60	0.00	241	209.02	0.00
6.70	0.00	241	209.02	0.00
6.80	0.00	241	209.02	0.00
6.90	0.00	241	209.02	0.00
7.00	0.00	241	209.02	0.00
7.10	0.00	241	209.02	0.00
7.20	0.00	241	209.02	0.00
7.30	0.00	241	209.02	0.00
7.40	0.00	241	209.02	0.00
7.50	0.00	241	209.02	0.00
7.60	0.00	241	209.02	0.00
7.70	0.00	241	209.02	0.00
7.80	0.00	241	209.02	0.00
7.90	0.00	241	209.02	0.00
8.00	0.00	242	209.02	0.00
8.10	0.00	242	209.02	0.00
8.20	0.00	242	209.02	0.00
8.30	0.00	242	209.02	0.00
8.40	0.00	242	209.02	0.00
8.50	0.00	242	209.02	0.00
8.60	0.00	242	209.02	0.00
8.70	0.00	242	209.02	0.00
8.80	0.00	242	209.02	0.00
8.90	0.00	242	209.02	0.00
9.00	0.00	242	209.02	0.00
9.10	0.00	242	209.02	0.00
9.20	0.00	242	209.02	0.00
9.30	0.00	242	209.02	0.00
9.40	0.00	242	209.02	0.00
9.50	0.00	242	209.02	0.00
9.60	0.00	242	209.02	0.00
9.70	0.00	242	209.02	0.00
9.80	0.00	243	209.02	0.00
9.90	0.00	243	209.02	0.00
10.00	0.00	243	209.02	0.00
10.10	0.00	243	209.02	0.00
10.20	0.00	243	209.02	0.00
10.30	0.00	243	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	243	209.02	0.00
10.50	0.00	243	209.02	0.00
10.60	0.00	243	209.02	0.00
10.70	0.00	243	209.02	0.00
10.80	0.00	243	209.02	0.00
10.90	0.00	243	209.02	0.00
11.00	0.00	243	209.02	0.00
11.10	0.00	243	209.02	0.00
11.20	0.00	243	209.02	0.00
11.30	0.00	243	209.02	0.00
11.40	0.00	243	209.02	0.00
11.50	0.00	243	209.02	0.00
11.60	0.00	243	209.02	0.00
11.70	0.00	243	209.02	0.00
11.80	0.00	244	209.02	0.00
11.90	0.00	244	209.02	0.00
12.00	0.00	244	209.02	0.00
12.10	0.00	244	209.02	0.00
12.20	0.00	244	209.02	0.00
12.30	0.00	244	209.02	0.00
12.40	0.00	244	209.02	0.00
12.50	0.00	244	209.02	0.00
12.60	0.00	244	209.02	0.00
12.70	0.00	244	209.02	0.00
12.80	0.00	244	209.02	0.00
12.90	0.00	244	209.02	0.00
13.00	0.00	244	209.02	0.00
13.10	0.00	244	209.02	0.00
13.20	0.00	244	209.02	0.00
13.30	0.00	244	209.02	0.00
13.40	0.00	244	209.02	0.00
13.50	0.00	244	209.02	0.00
13.60	0.00	244	209.02	0.00
13.70	0.00	244	209.02	0.00
13.80	0.00	244	209.02	0.00
13.90	0.00	244	209.02	0.00
14.00	0.00	244	209.02	0.00
14.10	0.00	245	209.02	0.00
14.20	0.00	245	209.02	0.00
14.30	0.00	245	209.02	0.00
14.40	0.00	245	209.02	0.00
14.50	0.00	245	209.02	0.00
14.60	0.00	245	209.02	0.00
14.70	0.00	245	209.02	0.00
14.80	0.00	245	209.02	0.00
14.90	0.00	245	209.02	0.00
15.00	0.00	245	209.02	0.00
15.10	0.00	245	209.02	0.00
15.20	0.00	245	209.02	0.00
15.30	0.00	245	209.02	0.00
15.40	0.00	245	209.02	0.00
15.50	0.00	245	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	245	209.02	0.00
15.70	0.00	245	209.02	0.00
15.80	0.00	245	209.02	0.00
15.90	0.00	245	209.02	0.00
16.00	0.00	245	209.02	0.00
16.10	0.00	245	209.02	0.00
16.20	0.00	245	209.02	0.00
16.30	0.00	245	209.02	0.00
16.40	0.00	245	209.02	0.00
16.50	0.00	245	209.02	0.00
16.60	0.00	245	209.02	0.00
16.70	0.00	246	209.02	0.00
16.80	0.00	246	209.02	0.00
16.90	0.00	246	209.02	0.00
17.00	0.00	246	209.02	0.00
17.10	0.00	246	209.02	0.00
17.20	0.00	246	209.02	0.00
17.30	0.00	246	209.02	0.00
17.40	0.00	246	209.02	0.00
17.50	0.00	246	209.02	0.00
17.60	0.00	246	209.02	0.00
17.70	0.00	246	209.02	0.00
17.80	0.00	246	209.02	0.00
17.90	0.00	246	209.02	0.00
18.00	0.00	246	209.02	0.00
18.10	0.00	246	209.02	0.00
18.20	0.00	246	209.02	0.00
18.30	0.00	246	209.02	0.00
18.40	0.00	246	209.02	0.00
18.50	0.00	246	209.02	0.00
18.60	0.00	246	209.02	0.00
18.70	0.00	246	209.02	0.00
18.80	0.00	246	209.02	0.00
18.90	0.00	246	209.02	0.00
19.00	0.00	246	209.02	0.00
19.10	0.00	246	209.02	0.00
19.20	0.00	246	209.02	0.00
19.30	0.00	246	209.02	0.00
19.40	0.00	246	209.02	0.00
19.50	0.00	246	209.02	0.00
19.60	0.00	246	209.02	0.00
19.70	0.00	247	209.02	0.00
19.80	0.00	247	209.02	0.00
19.90	0.00	247	209.02	0.00
20.00	0.00	247	209.02	0.00
20.10	0.00	247	209.02	0.00
20.20	0.00	247	209.02	0.00
20.30	0.00	247	209.02	0.00
20.40	0.00	247	209.02	0.00
20.50	0.00	247	209.02	0.00
20.60	0.00	247	209.02	0.00
20.70	0.00	247	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	247	209.02	0.00
20.90	0.00	247	209.02	0.00
21.00	0.00	247	209.02	0.00
21.10	0.00	247	209.02	0.00
21.20	0.00	247	209.02	0.00
21.30	0.00	247	209.02	0.00
21.40	0.00	247	209.02	0.00
21.50	0.00	247	209.02	0.00
21.60	0.00	247	209.02	0.00
21.70	0.00	247	209.02	0.00
21.80	0.00	247	209.02	0.00
21.90	0.00	247	209.02	0.00
22.00	0.00	247	209.02	0.00
22.10	0.00	247	209.02	0.00
22.20	0.00	247	209.02	0.00
22.30	0.00	247	209.02	0.00
22.40	0.00	247	209.02	0.00
22.50	0.00	247	209.02	0.00
22.60	0.00	247	209.02	0.00
22.70	0.00	247	209.02	0.00
22.80	0.00	247	209.02	0.00
22.90	0.00	247	209.02	0.00
23.00	0.00	247	209.02	0.00
23.10	0.00	247	209.02	0.00
23.20	0.00	247	209.02	0.00
23.30	0.00	247	209.02	0.00
23.40	0.00	248	209.02	0.00
23.50	0.00	248	209.02	0.00
23.60	0.00	248	209.02	0.00
23.70	0.00	248	209.02	0.00
23.80	0.00	248	209.02	0.00
23.90	0.00	248	209.02	0.00
24.00	0.00	248	209.02	0.00
24.10	0.00	248	209.02	0.00
24.20	0.00	248	209.02	0.00
24.30	0.00	248	209.02	0.00
24.40	0.00	248	209.02	0.00
24.50	0.00	248	209.02	0.00
24.60	0.00	248	209.02	0.00
24.70	0.00	248	209.02	0.00
24.80	0.00	248	209.02	0.00
24.90	0.00	248	209.02	0.00
25.00	0.00	248	209.02	0.00
25.10	0.00	248	209.02	0.00
25.20	0.00	248	209.02	0.00
25.30	0.00	248	209.02	0.00
25.40	0.00	248	209.02	0.00
25.50	0.00	248	209.02	0.00
25.60	0.00	248	209.02	0.00
25.70	0.00	248	209.02	0.00
25.80	0.00	248	209.02	0.00
25.90	0.00	248	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	248	209.02	0.00
26.10	0.00	248	209.02	0.00
26.20	0.00	248	209.02	0.00
26.30	0.00	248	209.02	0.00
26.40	0.00	248	209.02	0.00
26.50	0.00	248	209.02	0.00
26.60	0.00	248	209.02	0.00
26.70	0.00	248	209.02	0.00
26.80	0.00	248	209.02	0.00
26.90	0.00	248	209.02	0.00
27.00	0.00	248	209.02	0.00
27.10	0.00	248	209.02	0.00
27.20	0.00	248	209.02	0.00
27.30	0.00	248	209.02	0.00
27.40	0.00	248	209.02	0.00
27.50	0.00	248	209.02	0.00
27.60	0.00	248	209.02	0.00
27.70	0.00	248	209.02	0.00
27.80	0.00	248	209.02	0.00
27.90	0.00	248	209.02	0.00
28.00	0.00	248	209.02	0.00
28.10	0.00	248	209.02	0.00
28.20	0.00	248	209.02	0.00
28.30	0.00	248	209.02	0.00
28.40	0.00	249	209.02	0.00
28.50	0.00	249	209.02	0.00
28.60	0.00	249	209.02	0.00
28.70	0.00	249	209.02	0.00
28.80	0.00	249	209.02	0.00
28.90	0.00	249	209.02	0.00
29.00	0.00	249	209.02	0.00
29.10	0.00	249	209.02	0.00
29.20	0.00	249	209.02	0.00
29.30	0.00	249	209.02	0.00
29.40	0.00	249	209.02	0.00
29.50	0.00	249	209.02	0.00
29.60	0.00	249	209.02	0.00
29.70	0.00	249	209.02	0.00
29.80	0.00	249	209.02	0.00
29.90	0.00	249	209.02	0.00
30.00	0.00	249	209.02	0.00
30.10	0.00	249	209.02	0.00
30.20	0.00	249	209.02	0.00
30.30	0.00	249	209.02	0.00
30.40	0.00	249	209.02	0.00
30.50	0.00	249	209.02	0.00
30.60	0.00	249	209.02	0.00
30.70	0.00	249	209.02	0.00
30.80	0.00	249	209.02	0.00
30.90	0.00	249	209.02	0.00
31.00	0.00	249	209.02	0.00
31.10	0.00	249	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	249	209.02	0.00
31.30	0.00	249	209.02	0.00
31.40	0.00	249	209.02	0.00
31.50	0.00	249	209.02	0.00
31.60	0.00	249	209.02	0.00
31.70	0.00	249	209.02	0.00
31.80	0.00	249	209.02	0.00
31.90	0.00	249	209.02	0.00
32.00	0.00	249	209.02	0.00
32.10	0.00	249	209.02	0.00
32.20	0.00	249	209.02	0.00
32.30	0.00	249	209.02	0.00
32.40	0.00	249	209.02	0.00
32.50	0.00	249	209.02	0.00
32.60	0.00	249	209.02	0.00
32.70	0.00	249	209.02	0.00
32.80	0.00	249	209.02	0.00
32.90	0.00	249	209.02	0.00
33.00	0.00	249	209.02	0.00
33.10	0.00	249	209.02	0.00
33.20	0.00	249	209.02	0.00
33.30	0.00	249	209.02	0.00
33.40	0.00	249	209.02	0.00
33.50	0.00	249	209.02	0.00
33.60	0.00	249	209.02	0.00
33.70	0.00	249	209.02	0.00
33.80	0.00	249	209.02	0.00
33.90	0.00	249	209.02	0.00
34.00	0.00	249	209.02	0.00
34.10	0.00	249	209.02	0.00
34.20	0.00	249	209.02	0.00
34.30	0.00	249	209.02	0.00
34.40	0.00	249	209.02	0.00
34.50	0.00	249	209.02	0.00
34.60	0.00	249	209.02	0.00
34.70	0.00	249	209.02	0.00
34.80	0.00	249	209.02	0.00
34.90	0.00	249	209.02	0.00
35.00	0.00	249	209.02	0.00
35.10	0.00	249	209.02	0.00
35.20	0.00	249	209.02	0.00
35.30	0.00	249	209.02	0.00
35.40	0.00	249	209.02	0.00
35.50	0.00	249	209.02	0.00
35.60	0.00	249	209.02	0.00
35.70	0.00	249	209.02	0.00
35.80	0.00	249	209.02	0.00
35.90	0.00	249	209.02	0.00
36.00	0.00	249	209.02	0.00
36.10	0.00	249	209.02	0.00
36.20	0.00	249	209.02	0.00
36.30	0.00	249	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	249	209.02	0.00
36.50	0.00	249	209.02	0.00
36.60	0.00	249	209.02	0.00
36.70	0.00	249	209.02	0.00
36.80	0.00	249	209.02	0.00
36.90	0.00	249	209.02	0.00
37.00	0.00	249	209.02	0.00
37.10	0.00	249	209.02	0.00
37.20	0.00	249	209.02	0.00
37.30	0.00	249	209.02	0.00
37.40	0.00	249	209.02	0.00
37.50	0.00	249	209.02	0.00
37.60	0.00	249	209.02	0.00
37.70	0.00	249	209.02	0.00
37.80	0.00	249	209.02	0.00
37.90	0.00	249	209.02	0.00
38.00	0.00	249	209.02	0.00
38.10	0.00	249	209.02	0.00
38.20	0.00	249	209.02	0.00
38.30	0.00	249	209.02	0.00
38.40	0.00	249	209.02	0.00
38.50	0.00	249	209.02	0.00
38.60	0.00	249	209.02	0.00
38.70	0.00	249	209.02	0.00
38.80	0.00	249	209.02	0.00
38.90	0.00	249	209.02	0.00
39.00	0.00	249	209.02	0.00
39.10	0.00	249	209.02	0.00
39.20	0.00	249	209.02	0.00
39.30	0.00	249	209.02	0.00
39.40	0.00	250	209.02	0.00
39.50	0.00	250	209.02	0.00
39.60	0.00	250	209.02	0.00
39.70	0.00	250	209.02	0.00
39.80	0.00	250	209.02	0.00
39.90	0.00	250	209.02	0.00
40.00	0.00	250	209.02	0.00

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
211.08	0.23	211.60	2.92
211.09	0.23	211.61	3.03
211.10	0.23	211.62	3.15
211.11	0.23	211.63	3.27
211.12	0.23	211.64	3.38
211.13	0.23	211.65	3.50
211.14	0.23	211.66	3.62
211.15	0.23	211.67	3.75
211.16	0.23	211.68	3.87
211.17	0.23	211.69	4.00
211.18	0.24	211.70	4.12
211.19	0.24	211.71	4.25
211.20	0.24	211.72	4.38
211.21	0.24	211.73	4.51
211.22	0.24	211.74	4.64
211.23	0.24	211.75	4.77
211.24	0.24	211.76	5.03
211.25	0.24	211.77	5.38
211.26	0.25	211.78	5.79
211.27	0.28	211.79	6.26
211.28	0.31	211.80	6.77
211.29	0.35	211.81	7.32
211.30	0.39	211.82	7.91
211.31	0.43	211.83	8.54
211.32	0.48	211.84	9.20
211.33	0.54	211.85	9.89
211.34	0.60	211.86	10.60
211.35	0.66	211.87	11.35
211.36	0.72	211.88	12.13
211.37	0.79	211.89	12.93
211.38	0.86	211.90	13.75
211.39	0.93	211.91	14.60
211.40	1.00	211.92	15.48
211.41	1.08	211.93	16.37
211.42	1.16	211.94	17.29
211.43	1.24	211.95	18.23
211.44	1.32	211.96	19.24
211.45	1.41	211.97	20.26
211.46	1.50	211.98	21.32
211.47	1.59	211.99	22.40
211.48	1.68	212.00	23.51
211.49	1.77		
211.50	1.87		
211.51	1.97		
211.52	2.06		
211.53	2.17		
211.54	2.27		
211.55	2.37		
211.56	2.48		
211.57	2.59		
211.58	2.70		
211.59	2.81		

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255	211.60	12,721	29,733
211.09	12,204	23,377	211.61	12,731	29,860
211.10	12,214	23,499	211.62	12,741	29,988
211.11	12,224	23,622	211.63	12,751	30,115
211.12	12,235	23,744	211.64	12,761	30,243
211.13	12,245	23,866	211.65	12,771	30,370
211.14	12,255	23,989	211.66	12,782	30,498
211.15	12,265	24,111	211.67	12,792	30,626
211.16	12,275	24,234	211.68	12,802	30,754
211.17	12,285	24,357	211.69	12,812	30,882
211.18	12,295	24,480	211.70	12,822	31,010
211.19	12,305	24,603	211.71	12,832	31,139
211.20	12,316	24,726	211.72	12,842	31,267
211.21	12,326	24,849	211.73	12,852	31,395
211.22	12,336	24,972	211.74	12,863	31,524
211.23	12,346	25,096	211.75	12,873	31,653
211.24	12,356	25,219	211.76	12,883	31,781
211.25	12,366	25,343	211.77	12,893	31,910
211.26	12,376	25,467	211.78	12,903	32,039
211.27	12,387	25,590	211.79	12,913	32,168
211.28	12,397	25,714	211.80	12,923	32,298
211.29	12,407	25,838	211.81	12,934	32,427
211.30	12,417	25,962	211.82	12,944	32,556
211.31	12,427	26,087	211.83	12,954	32,686
211.32	12,437	26,211	211.84	12,964	32,815
211.33	12,447	26,335	211.85	12,974	32,945
211.34	12,457	26,460	211.86	12,984	33,075
211.35	12,468	26,585	211.87	12,994	33,205
211.36	12,478	26,709	211.88	13,004	33,335
211.37	12,488	26,834	211.89	13,015	33,465
211.38	12,498	26,959	211.90	13,025	33,595
211.39	12,508	27,084	211.91	13,035	33,725
211.40	12,518	27,209	211.92	13,045	33,856
211.41	12,528	27,334	211.93	13,055	33,986
211.42	12,538	27,460	211.94	13,065	34,117
211.43	12,549	27,585	211.95	13,075	34,247
211.44	12,559	27,711	211.96	13,085	34,378
211.45	12,569	27,836	211.97	13,096	34,509
211.46	12,579	27,962	211.98	13,106	34,640
211.47	12,589	28,088	211.99	13,116	34,771
211.48	12,599	28,214	212.00	13,126	34,903
211.49	12,609	28,340			
211.50	12,620	28,466			
211.51	12,630	28,592			
211.52	12,640	28,719			
211.53	12,650	28,845			
211.54	12,660	28,972			
211.55	12,670	29,098			
211.56	12,680	29,225			
211.57	12,690	29,352			
211.58	12,701	29,479			
211.59	12,711	29,606			

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 0.62" for WQ Storm event
 Inflow = 2.48 cfs @ 1.15 hrs, Volume= 0.086 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 179.83' @ 2.60 hrs Surf.Area= 4,867 sf Storage= 3,754 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

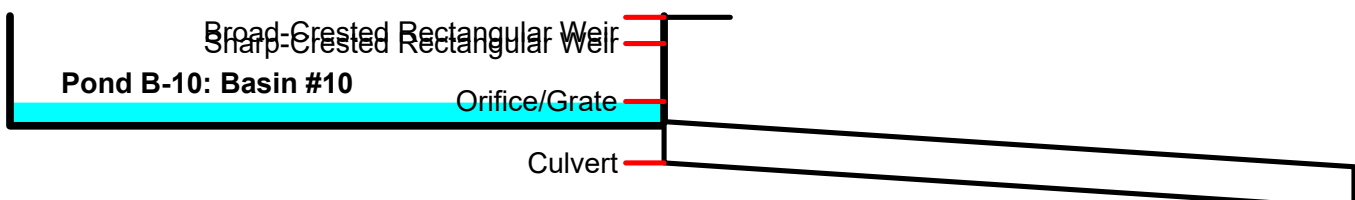
Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	23,473 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	4,220	0	0
180.00	5,003	4,612	4,612
181.00	5,833	5,418	10,030
182.00	6,710	6,272	16,301
183.00	7,633	7,172	23,473

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	18.0" Round Culvert L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 ' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.88'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	182.95'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

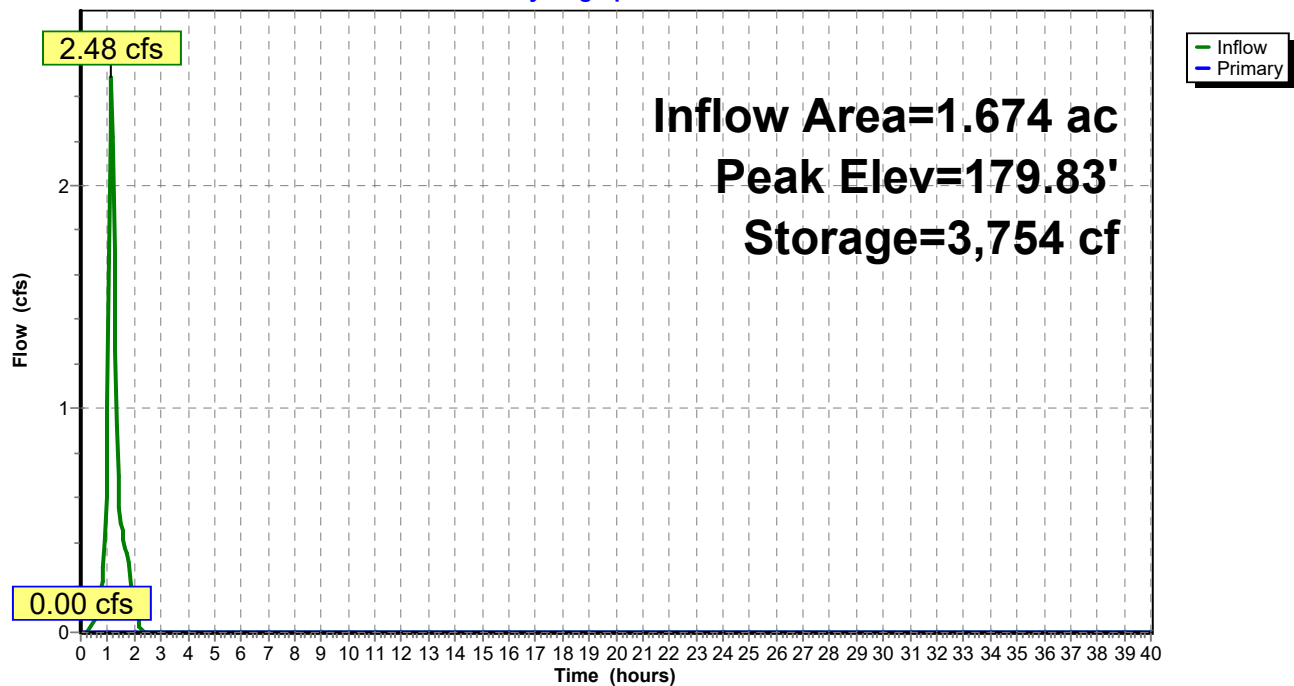
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=179.00' (Free Discharge)

- 1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
- 2=Orifice/Grate (Controls 0.00 cfs)
- 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
- 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-10: Basin #10

Hydrograph



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.04	8	179.00	0.00
0.60	0.10	32	179.01	0.00
0.70	0.17	81	179.02	0.00
0.80	0.23	152	179.04	0.00
0.90	0.41	263	179.06	0.00
1.00	1.00	498	179.12	0.00
1.10	2.24	1,088	179.25	0.00
1.20	2.22	1,936	179.44	0.00
1.30	1.26	2,556	179.57	0.00
1.40	0.69	2,899	179.65	0.00
1.50	0.49	3,105	179.69	0.00
1.60	0.42	3,268	179.73	0.00
1.70	0.35	3,405	179.75	0.00
1.80	0.33	3,527	179.78	0.00
1.90	0.21	3,627	179.80	0.00
2.00	0.13	3,687	179.81	0.00
2.10	0.09	3,729	179.82	0.00
2.20	0.02	3,748	179.83	0.00
2.30	0.01	3,753	179.83	0.00
2.40	0.00	3,754	179.83	0.00
2.50	0.00	3,755	179.83	0.00
2.60	0.00	3,755	179.83	0.00
2.70	0.00	3,755	179.83	0.00
2.80	0.00	3,755	179.83	0.00
2.90	0.00	3,755	179.83	0.00
3.00	0.00	3,755	179.83	0.00
3.10	0.00	3,755	179.83	0.00
3.20	0.00	3,755	179.83	0.00
3.30	0.00	3,755	179.83	0.00
3.40	0.00	3,755	179.83	0.00
3.50	0.00	3,755	179.83	0.00
3.60	0.00	3,755	179.83	0.00
3.70	0.00	3,755	179.83	0.00
3.80	0.00	3,755	179.83	0.00
3.90	0.00	3,755	179.83	0.00
4.00	0.00	3,755	179.83	0.00
4.10	0.00	3,755	179.83	0.00
4.20	0.00	3,755	179.83	0.00
4.30	0.00	3,755	179.83	0.00
4.40	0.00	3,755	179.83	0.00
4.50	0.00	3,755	179.83	0.00
4.60	0.00	3,755	179.83	0.00
4.70	0.00	3,755	179.83	0.00
4.80	0.00	3,755	179.83	0.00
4.90	0.00	3,755	179.83	0.00
5.00	0.00	3,755	179.83	0.00
5.10	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,755	179.83	0.00
5.30	0.00	3,755	179.83	0.00
5.40	0.00	3,755	179.83	0.00
5.50	0.00	3,755	179.83	0.00
5.60	0.00	3,755	179.83	0.00
5.70	0.00	3,755	179.83	0.00
5.80	0.00	3,755	179.83	0.00
5.90	0.00	3,755	179.83	0.00
6.00	0.00	3,755	179.83	0.00
6.10	0.00	3,755	179.83	0.00
6.20	0.00	3,755	179.83	0.00
6.30	0.00	3,755	179.83	0.00
6.40	0.00	3,755	179.83	0.00
6.50	0.00	3,755	179.83	0.00
6.60	0.00	3,755	179.83	0.00
6.70	0.00	3,755	179.83	0.00
6.80	0.00	3,755	179.83	0.00
6.90	0.00	3,755	179.83	0.00
7.00	0.00	3,755	179.83	0.00
7.10	0.00	3,755	179.83	0.00
7.20	0.00	3,755	179.83	0.00
7.30	0.00	3,755	179.83	0.00
7.40	0.00	3,755	179.83	0.00
7.50	0.00	3,755	179.83	0.00
7.60	0.00	3,755	179.83	0.00
7.70	0.00	3,755	179.83	0.00
7.80	0.00	3,755	179.83	0.00
7.90	0.00	3,755	179.83	0.00
8.00	0.00	3,755	179.83	0.00
8.10	0.00	3,755	179.83	0.00
8.20	0.00	3,755	179.83	0.00
8.30	0.00	3,755	179.83	0.00
8.40	0.00	3,755	179.83	0.00
8.50	0.00	3,755	179.83	0.00
8.60	0.00	3,755	179.83	0.00
8.70	0.00	3,755	179.83	0.00
8.80	0.00	3,755	179.83	0.00
8.90	0.00	3,755	179.83	0.00
9.00	0.00	3,755	179.83	0.00
9.10	0.00	3,755	179.83	0.00
9.20	0.00	3,755	179.83	0.00
9.30	0.00	3,755	179.83	0.00
9.40	0.00	3,755	179.83	0.00
9.50	0.00	3,755	179.83	0.00
9.60	0.00	3,755	179.83	0.00
9.70	0.00	3,755	179.83	0.00
9.80	0.00	3,755	179.83	0.00
9.90	0.00	3,755	179.83	0.00
10.00	0.00	3,755	179.83	0.00
10.10	0.00	3,755	179.83	0.00
10.20	0.00	3,755	179.83	0.00
10.30	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,755	179.83	0.00
10.50	0.00	3,755	179.83	0.00
10.60	0.00	3,755	179.83	0.00
10.70	0.00	3,755	179.83	0.00
10.80	0.00	3,755	179.83	0.00
10.90	0.00	3,755	179.83	0.00
11.00	0.00	3,755	179.83	0.00
11.10	0.00	3,755	179.83	0.00
11.20	0.00	3,755	179.83	0.00
11.30	0.00	3,755	179.83	0.00
11.40	0.00	3,755	179.83	0.00
11.50	0.00	3,755	179.83	0.00
11.60	0.00	3,755	179.83	0.00
11.70	0.00	3,755	179.83	0.00
11.80	0.00	3,755	179.83	0.00
11.90	0.00	3,755	179.83	0.00
12.00	0.00	3,755	179.83	0.00
12.10	0.00	3,755	179.83	0.00
12.20	0.00	3,755	179.83	0.00
12.30	0.00	3,755	179.83	0.00
12.40	0.00	3,755	179.83	0.00
12.50	0.00	3,755	179.83	0.00
12.60	0.00	3,755	179.83	0.00
12.70	0.00	3,755	179.83	0.00
12.80	0.00	3,755	179.83	0.00
12.90	0.00	3,755	179.83	0.00
13.00	0.00	3,755	179.83	0.00
13.10	0.00	3,755	179.83	0.00
13.20	0.00	3,755	179.83	0.00
13.30	0.00	3,755	179.83	0.00
13.40	0.00	3,755	179.83	0.00
13.50	0.00	3,755	179.83	0.00
13.60	0.00	3,755	179.83	0.00
13.70	0.00	3,755	179.83	0.00
13.80	0.00	3,755	179.83	0.00
13.90	0.00	3,755	179.83	0.00
14.00	0.00	3,755	179.83	0.00
14.10	0.00	3,755	179.83	0.00
14.20	0.00	3,755	179.83	0.00
14.30	0.00	3,755	179.83	0.00
14.40	0.00	3,755	179.83	0.00
14.50	0.00	3,755	179.83	0.00
14.60	0.00	3,755	179.83	0.00
14.70	0.00	3,755	179.83	0.00
14.80	0.00	3,755	179.83	0.00
14.90	0.00	3,755	179.83	0.00
15.00	0.00	3,755	179.83	0.00
15.10	0.00	3,755	179.83	0.00
15.20	0.00	3,755	179.83	0.00
15.30	0.00	3,755	179.83	0.00
15.40	0.00	3,755	179.83	0.00
15.50	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,755	179.83	0.00
15.70	0.00	3,755	179.83	0.00
15.80	0.00	3,755	179.83	0.00
15.90	0.00	3,755	179.83	0.00
16.00	0.00	3,755	179.83	0.00
16.10	0.00	3,755	179.83	0.00
16.20	0.00	3,755	179.83	0.00
16.30	0.00	3,755	179.83	0.00
16.40	0.00	3,755	179.83	0.00
16.50	0.00	3,755	179.83	0.00
16.60	0.00	3,755	179.83	0.00
16.70	0.00	3,755	179.83	0.00
16.80	0.00	3,755	179.83	0.00
16.90	0.00	3,755	179.83	0.00
17.00	0.00	3,755	179.83	0.00
17.10	0.00	3,755	179.83	0.00
17.20	0.00	3,755	179.83	0.00
17.30	0.00	3,755	179.83	0.00
17.40	0.00	3,755	179.83	0.00
17.50	0.00	3,755	179.83	0.00
17.60	0.00	3,755	179.83	0.00
17.70	0.00	3,755	179.83	0.00
17.80	0.00	3,755	179.83	0.00
17.90	0.00	3,755	179.83	0.00
18.00	0.00	3,755	179.83	0.00
18.10	0.00	3,755	179.83	0.00
18.20	0.00	3,755	179.83	0.00
18.30	0.00	3,755	179.83	0.00
18.40	0.00	3,755	179.83	0.00
18.50	0.00	3,755	179.83	0.00
18.60	0.00	3,755	179.83	0.00
18.70	0.00	3,755	179.83	0.00
18.80	0.00	3,755	179.83	0.00
18.90	0.00	3,755	179.83	0.00
19.00	0.00	3,755	179.83	0.00
19.10	0.00	3,755	179.83	0.00
19.20	0.00	3,755	179.83	0.00
19.30	0.00	3,755	179.83	0.00
19.40	0.00	3,755	179.83	0.00
19.50	0.00	3,755	179.83	0.00
19.60	0.00	3,755	179.83	0.00
19.70	0.00	3,755	179.83	0.00
19.80	0.00	3,755	179.83	0.00
19.90	0.00	3,755	179.83	0.00
20.00	0.00	3,755	179.83	0.00
20.10	0.00	3,755	179.83	0.00
20.20	0.00	3,755	179.83	0.00
20.30	0.00	3,755	179.83	0.00
20.40	0.00	3,755	179.83	0.00
20.50	0.00	3,755	179.83	0.00
20.60	0.00	3,755	179.83	0.00
20.70	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,755	179.83	0.00
20.90	0.00	3,755	179.83	0.00
21.00	0.00	3,755	179.83	0.00
21.10	0.00	3,755	179.83	0.00
21.20	0.00	3,755	179.83	0.00
21.30	0.00	3,755	179.83	0.00
21.40	0.00	3,755	179.83	0.00
21.50	0.00	3,755	179.83	0.00
21.60	0.00	3,755	179.83	0.00
21.70	0.00	3,755	179.83	0.00
21.80	0.00	3,755	179.83	0.00
21.90	0.00	3,755	179.83	0.00
22.00	0.00	3,755	179.83	0.00
22.10	0.00	3,755	179.83	0.00
22.20	0.00	3,755	179.83	0.00
22.30	0.00	3,755	179.83	0.00
22.40	0.00	3,755	179.83	0.00
22.50	0.00	3,755	179.83	0.00
22.60	0.00	3,755	179.83	0.00
22.70	0.00	3,755	179.83	0.00
22.80	0.00	3,755	179.83	0.00
22.90	0.00	3,755	179.83	0.00
23.00	0.00	3,755	179.83	0.00
23.10	0.00	3,755	179.83	0.00
23.20	0.00	3,755	179.83	0.00
23.30	0.00	3,755	179.83	0.00
23.40	0.00	3,755	179.83	0.00
23.50	0.00	3,755	179.83	0.00
23.60	0.00	3,755	179.83	0.00
23.70	0.00	3,755	179.83	0.00
23.80	0.00	3,755	179.83	0.00
23.90	0.00	3,755	179.83	0.00
24.00	0.00	3,755	179.83	0.00
24.10	0.00	3,755	179.83	0.00
24.20	0.00	3,755	179.83	0.00
24.30	0.00	3,755	179.83	0.00
24.40	0.00	3,755	179.83	0.00
24.50	0.00	3,755	179.83	0.00
24.60	0.00	3,755	179.83	0.00
24.70	0.00	3,755	179.83	0.00
24.80	0.00	3,755	179.83	0.00
24.90	0.00	3,755	179.83	0.00
25.00	0.00	3,755	179.83	0.00
25.10	0.00	3,755	179.83	0.00
25.20	0.00	3,755	179.83	0.00
25.30	0.00	3,755	179.83	0.00
25.40	0.00	3,755	179.83	0.00
25.50	0.00	3,755	179.83	0.00
25.60	0.00	3,755	179.83	0.00
25.70	0.00	3,755	179.83	0.00
25.80	0.00	3,755	179.83	0.00
25.90	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,755	179.83	0.00
26.10	0.00	3,755	179.83	0.00
26.20	0.00	3,755	179.83	0.00
26.30	0.00	3,755	179.83	0.00
26.40	0.00	3,755	179.83	0.00
26.50	0.00	3,755	179.83	0.00
26.60	0.00	3,755	179.83	0.00
26.70	0.00	3,755	179.83	0.00
26.80	0.00	3,755	179.83	0.00
26.90	0.00	3,755	179.83	0.00
27.00	0.00	3,755	179.83	0.00
27.10	0.00	3,755	179.83	0.00
27.20	0.00	3,755	179.83	0.00
27.30	0.00	3,755	179.83	0.00
27.40	0.00	3,755	179.83	0.00
27.50	0.00	3,755	179.83	0.00
27.60	0.00	3,755	179.83	0.00
27.70	0.00	3,755	179.83	0.00
27.80	0.00	3,755	179.83	0.00
27.90	0.00	3,755	179.83	0.00
28.00	0.00	3,755	179.83	0.00
28.10	0.00	3,755	179.83	0.00
28.20	0.00	3,755	179.83	0.00
28.30	0.00	3,755	179.83	0.00
28.40	0.00	3,755	179.83	0.00
28.50	0.00	3,755	179.83	0.00
28.60	0.00	3,755	179.83	0.00
28.70	0.00	3,755	179.83	0.00
28.80	0.00	3,755	179.83	0.00
28.90	0.00	3,755	179.83	0.00
29.00	0.00	3,755	179.83	0.00
29.10	0.00	3,755	179.83	0.00
29.20	0.00	3,755	179.83	0.00
29.30	0.00	3,755	179.83	0.00
29.40	0.00	3,755	179.83	0.00
29.50	0.00	3,755	179.83	0.00
29.60	0.00	3,755	179.83	0.00
29.70	0.00	3,755	179.83	0.00
29.80	0.00	3,755	179.83	0.00
29.90	0.00	3,755	179.83	0.00
30.00	0.00	3,755	179.83	0.00
30.10	0.00	3,755	179.83	0.00
30.20	0.00	3,755	179.83	0.00
30.30	0.00	3,755	179.83	0.00
30.40	0.00	3,755	179.83	0.00
30.50	0.00	3,755	179.83	0.00
30.60	0.00	3,755	179.83	0.00
30.70	0.00	3,755	179.83	0.00
30.80	0.00	3,755	179.83	0.00
30.90	0.00	3,755	179.83	0.00
31.00	0.00	3,755	179.83	0.00
31.10	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,755	179.83	0.00
31.30	0.00	3,755	179.83	0.00
31.40	0.00	3,755	179.83	0.00
31.50	0.00	3,755	179.83	0.00
31.60	0.00	3,755	179.83	0.00
31.70	0.00	3,755	179.83	0.00
31.80	0.00	3,755	179.83	0.00
31.90	0.00	3,755	179.83	0.00
32.00	0.00	3,755	179.83	0.00
32.10	0.00	3,755	179.83	0.00
32.20	0.00	3,755	179.83	0.00
32.30	0.00	3,755	179.83	0.00
32.40	0.00	3,755	179.83	0.00
32.50	0.00	3,755	179.83	0.00
32.60	0.00	3,755	179.83	0.00
32.70	0.00	3,755	179.83	0.00
32.80	0.00	3,755	179.83	0.00
32.90	0.00	3,755	179.83	0.00
33.00	0.00	3,755	179.83	0.00
33.10	0.00	3,755	179.83	0.00
33.20	0.00	3,755	179.83	0.00
33.30	0.00	3,755	179.83	0.00
33.40	0.00	3,755	179.83	0.00
33.50	0.00	3,755	179.83	0.00
33.60	0.00	3,755	179.83	0.00
33.70	0.00	3,755	179.83	0.00
33.80	0.00	3,755	179.83	0.00
33.90	0.00	3,755	179.83	0.00
34.00	0.00	3,755	179.83	0.00
34.10	0.00	3,755	179.83	0.00
34.20	0.00	3,755	179.83	0.00
34.30	0.00	3,755	179.83	0.00
34.40	0.00	3,755	179.83	0.00
34.50	0.00	3,755	179.83	0.00
34.60	0.00	3,755	179.83	0.00
34.70	0.00	3,755	179.83	0.00
34.80	0.00	3,755	179.83	0.00
34.90	0.00	3,755	179.83	0.00
35.00	0.00	3,755	179.83	0.00
35.10	0.00	3,755	179.83	0.00
35.20	0.00	3,755	179.83	0.00
35.30	0.00	3,755	179.83	0.00
35.40	0.00	3,755	179.83	0.00
35.50	0.00	3,755	179.83	0.00
35.60	0.00	3,755	179.83	0.00
35.70	0.00	3,755	179.83	0.00
35.80	0.00	3,755	179.83	0.00
35.90	0.00	3,755	179.83	0.00
36.00	0.00	3,755	179.83	0.00
36.10	0.00	3,755	179.83	0.00
36.20	0.00	3,755	179.83	0.00
36.30	0.00	3,755	179.83	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,755	179.83	0.00
36.50	0.00	3,755	179.83	0.00
36.60	0.00	3,755	179.83	0.00
36.70	0.00	3,755	179.83	0.00
36.80	0.00	3,755	179.83	0.00
36.90	0.00	3,755	179.83	0.00
37.00	0.00	3,755	179.83	0.00
37.10	0.00	3,755	179.83	0.00
37.20	0.00	3,755	179.83	0.00
37.30	0.00	3,755	179.83	0.00
37.40	0.00	3,755	179.83	0.00
37.50	0.00	3,755	179.83	0.00
37.60	0.00	3,755	179.83	0.00
37.70	0.00	3,755	179.83	0.00
37.80	0.00	3,755	179.83	0.00
37.90	0.00	3,755	179.83	0.00
38.00	0.00	3,755	179.83	0.00
38.10	0.00	3,755	179.83	0.00
38.20	0.00	3,755	179.83	0.00
38.30	0.00	3,755	179.83	0.00
38.40	0.00	3,755	179.83	0.00
38.50	0.00	3,755	179.83	0.00
38.60	0.00	3,755	179.83	0.00
38.70	0.00	3,755	179.83	0.00
38.80	0.00	3,755	179.83	0.00
38.90	0.00	3,755	179.83	0.00
39.00	0.00	3,755	179.83	0.00
39.10	0.00	3,755	179.83	0.00
39.20	0.00	3,755	179.83	0.00
39.30	0.00	3,755	179.83	0.00
39.40	0.00	3,755	179.83	0.00
39.50	0.00	3,755	179.83	0.00
39.60	0.00	3,755	179.83	0.00
39.70	0.00	3,755	179.83	0.00
39.80	0.00	3,755	179.83	0.00
39.90	0.00	3,755	179.83	0.00
40.00	0.00	3,755	179.83	0.00

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.00	180.04	0.04	180.56	0.12
179.01	0.00	179.53	0.00	180.05	0.04	180.57	0.13
179.02	0.00	179.54	0.00	180.06	0.05	180.58	0.13
179.03	0.00	179.55	0.00	180.07	0.05	180.59	0.13
179.04	0.00	179.56	0.00	180.08	0.05	180.60	0.13
179.05	0.00	179.57	0.00	180.09	0.05	180.61	0.13
179.06	0.00	179.58	0.00	180.10	0.06	180.62	0.13
179.07	0.00	179.59	0.00	180.11	0.06	180.63	0.13
179.08	0.00	179.60	0.00	180.12	0.06	180.64	0.13
179.09	0.00	179.61	0.00	180.13	0.06	180.65	0.13
179.10	0.00	179.62	0.00	180.14	0.06	180.66	0.13
179.11	0.00	179.63	0.00	180.15	0.07	180.67	0.14
179.12	0.00	179.64	0.00	180.16	0.07	180.68	0.14
179.13	0.00	179.65	0.00	180.17	0.07	180.69	0.14
179.14	0.00	179.66	0.00	180.18	0.07	180.70	0.14
179.15	0.00	179.67	0.00	180.19	0.07	180.71	0.14
179.16	0.00	179.68	0.00	180.20	0.08	180.72	0.14
179.17	0.00	179.69	0.00	180.21	0.08	180.73	0.14
179.18	0.00	179.70	0.00	180.22	0.08	180.74	0.14
179.19	0.00	179.71	0.00	180.23	0.08	180.75	0.14
179.20	0.00	179.72	0.00	180.24	0.08	180.76	0.14
179.21	0.00	179.73	0.00	180.25	0.08	180.77	0.15
179.22	0.00	179.74	0.00	180.26	0.09	180.78	0.15
179.23	0.00	179.75	0.00	180.27	0.09	180.79	0.15
179.24	0.00	179.76	0.00	180.28	0.09	180.80	0.15
179.25	0.00	179.77	0.00	180.29	0.09	180.81	0.15
179.26	0.00	179.78	0.00	180.30	0.09	180.82	0.15
179.27	0.00	179.79	0.00	180.31	0.09	180.83	0.15
179.28	0.00	179.80	0.00	180.32	0.10	180.84	0.15
179.29	0.00	179.81	0.00	180.33	0.10	180.85	0.15
179.30	0.00	179.82	0.00	180.34	0.10	180.86	0.15
179.31	0.00	179.83	0.00	180.35	0.10	180.87	0.15
179.32	0.00	179.84	0.00	180.36	0.10	180.88	0.16
179.33	0.00	179.85	0.00	180.37	0.10	180.89	0.16
179.34	0.00	179.86	0.00	180.38	0.10	180.90	0.16
179.35	0.00	179.87	0.00	180.39	0.10	180.91	0.16
179.36	0.00	179.88	0.00	180.40	0.11	180.92	0.16
179.37	0.00	179.89	0.00	180.41	0.11	180.93	0.16
179.38	0.00	179.90	0.00	180.42	0.11	180.94	0.16
179.39	0.00	179.91	0.00	180.43	0.11	180.95	0.16
179.40	0.00	179.92	0.00	180.44	0.11	180.96	0.16
179.41	0.00	179.93	0.00	180.45	0.11	180.97	0.16
179.42	0.00	179.94	0.01	180.46	0.11	180.98	0.16
179.43	0.00	179.95	0.01	180.47	0.11	180.99	0.16
179.44	0.00	179.96	0.01	180.48	0.12	181.00	0.17
179.45	0.00	179.97	0.01	180.49	0.12	181.01	0.17
179.46	0.00	179.98	0.02	180.50	0.12	181.02	0.17
179.47	0.00	179.99	0.02	180.51	0.12	181.03	0.17
179.48	0.00	180.00	0.02	180.52	0.12	181.04	0.17
179.49	0.00	180.01	0.03	180.53	0.12	181.05	0.17
179.50	0.00	180.02	0.03	180.54	0.12	181.06	0.17
179.51	0.00	180.03	0.03	180.55	0.12	181.07	0.17

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.17	181.60	0.21	182.12	0.78	182.64	6.75
181.09	0.17	181.61	0.21	182.13	0.85	182.65	6.90
181.10	0.17	181.62	0.21	182.14	0.92	182.66	7.05
181.11	0.17	181.63	0.21	182.15	1.00	182.67	7.20
181.12	0.17	181.64	0.21	182.16	1.07	182.68	7.35
181.13	0.18	181.65	0.21	182.17	1.15	182.69	7.51
181.14	0.18	181.66	0.21	182.18	1.23	182.70	7.66
181.15	0.18	181.67	0.21	182.19	1.32	182.71	7.82
181.16	0.18	181.68	0.21	182.20	1.40	182.72	7.97
181.17	0.18	181.69	0.21	182.21	1.49	182.73	8.13
181.18	0.18	181.70	0.22	182.22	1.58	182.74	8.29
181.19	0.18	181.71	0.22	182.23	1.67	182.75	8.45
181.20	0.18	181.72	0.22	182.24	1.77	182.76	8.61
181.21	0.18	181.73	0.22	182.25	1.86	182.77	8.77
181.22	0.18	181.74	0.22	182.26	1.96	182.78	8.93
181.23	0.18	181.75	0.22	182.27	2.06	182.79	9.10
181.24	0.18	181.76	0.22	182.28	2.16	182.80	9.26
181.25	0.18	181.77	0.22	182.29	2.26	182.81	9.43
181.26	0.19	181.78	0.22	182.30	2.37	182.82	9.59
181.27	0.19	181.79	0.22	182.31	2.47	182.83	9.76
181.28	0.19	181.80	0.22	182.32	2.58	182.84	9.92
181.29	0.19	181.81	0.22	182.33	2.69	182.85	10.09
181.30	0.19	181.82	0.22	182.34	2.80	182.86	10.26
181.31	0.19	181.83	0.22	182.35	2.91	182.87	10.43
181.32	0.19	181.84	0.22	182.36	3.03	182.88	10.60
181.33	0.19	181.85	0.22	182.37	3.14	182.89	10.77
181.34	0.19	181.86	0.22	182.38	3.26	182.90	10.95
181.35	0.19	181.87	0.23	182.39	3.38	182.91	11.12
181.36	0.19	181.88	0.23	182.40	3.50	182.92	11.29
181.37	0.19	181.89	0.23	182.41	3.62	182.93	11.47
181.38	0.19	181.90	0.23	182.42	3.74	182.94	11.64
181.39	0.19	181.91	0.23	182.43	3.87	182.95	11.82
181.40	0.20	181.92	0.23	182.44	3.99	182.96	12.11
181.41	0.20	181.93	0.23	182.45	4.12	182.97	12.50
181.42	0.20	181.94	0.23	182.46	4.25	182.98	12.96
181.43	0.20	181.95	0.23	182.47	4.37	182.99	13.47
181.44	0.20	181.96	0.23	182.48	4.50	183.00	14.02
181.45	0.20	181.97	0.23	182.49	4.64		
181.46	0.20	181.98	0.23	182.50	4.77		
181.47	0.20	181.99	0.23	182.51	4.90		
181.48	0.20	182.00	0.23	182.52	5.04		
181.49	0.20	182.01	0.25	182.53	5.18		
181.50	0.20	182.02	0.27	182.54	5.31		
181.51	0.20	182.03	0.30	182.55	5.45		
181.52	0.20	182.04	0.34	182.56	5.59		
181.53	0.20	182.05	0.38	182.57	5.73		
181.54	0.20	182.06	0.43	182.58	5.87		
181.55	0.21	182.07	0.48	182.59	6.02		
181.56	0.21	182.08	0.53	182.60	6.16		
181.57	0.21	182.09	0.59	182.61	6.31		
181.58	0.21	182.10	0.65	182.62	6.45		
181.59	0.21	182.11	0.71	182.63	6.60		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	4,220	0	179.52	4,627	2,300
179.01	4,228	42	179.53	4,635	2,347
179.02	4,236	85	179.54	4,643	2,393
179.03	4,243	127	179.55	4,651	2,439
179.04	4,251	169	179.56	4,658	2,486
179.05	4,259	212	179.57	4,666	2,533
179.06	4,267	255	179.58	4,674	2,579
179.07	4,275	297	179.59	4,682	2,626
179.08	4,283	340	179.60	4,690	2,673
179.09	4,290	383	179.61	4,698	2,720
179.10	4,298	426	179.62	4,705	2,767
179.11	4,306	469	179.63	4,713	2,814
179.12	4,314	512	179.64	4,721	2,861
179.13	4,322	555	179.65	4,729	2,908
179.14	4,330	598	179.66	4,737	2,956
179.15	4,337	642	179.67	4,745	3,003
179.16	4,345	685	179.68	4,752	3,051
179.17	4,353	729	179.69	4,760	3,098
179.18	4,361	772	179.70	4,768	3,146
179.19	4,369	816	179.71	4,776	3,194
179.20	4,377	860	179.72	4,784	3,241
179.21	4,384	903	179.73	4,792	3,289
179.22	4,392	947	179.74	4,799	3,337
179.23	4,400	991	179.75	4,807	3,385
179.24	4,408	1,035	179.76	4,815	3,433
179.25	4,416	1,079	179.77	4,823	3,482
179.26	4,424	1,124	179.78	4,831	3,530
179.27	4,431	1,168	179.79	4,839	3,578
179.28	4,439	1,212	179.80	4,846	3,627
179.29	4,447	1,257	179.81	4,854	3,675
179.30	4,455	1,301	179.82	4,862	3,724
179.31	4,463	1,346	179.83	4,870	3,772
179.32	4,471	1,390	179.84	4,878	3,821
179.33	4,478	1,435	179.85	4,886	3,870
179.34	4,486	1,480	179.86	4,893	3,919
179.35	4,494	1,525	179.87	4,901	3,968
179.36	4,502	1,570	179.88	4,909	4,017
179.37	4,510	1,615	179.89	4,917	4,066
179.38	4,518	1,660	179.90	4,925	4,115
179.39	4,525	1,705	179.91	4,933	4,164
179.40	4,533	1,751	179.92	4,940	4,214
179.41	4,541	1,796	179.93	4,948	4,263
179.42	4,549	1,841	179.94	4,956	4,313
179.43	4,557	1,887	179.95	4,964	4,362
179.44	4,565	1,933	179.96	4,972	4,412
179.45	4,572	1,978	179.97	4,980	4,462
179.46	4,580	2,024	179.98	4,987	4,512
179.47	4,588	2,070	179.99	4,995	4,562
179.48	4,596	2,116	180.00	5,003	4,612
179.49	4,604	2,162	180.01	5,011	4,662
179.50	4,612	2,208	180.02	5,020	4,712
179.51	4,619	2,254	180.03	5,028	4,762

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	5,036	4,812	180.56	5,468	7,543
180.05	5,045	4,863	180.57	5,476	7,598
180.06	5,053	4,913	180.58	5,484	7,653
180.07	5,061	4,964	180.59	5,493	7,708
180.08	5,069	5,014	180.60	5,501	7,763
180.09	5,078	5,065	180.61	5,509	7,818
180.10	5,086	5,116	180.62	5,518	7,873
180.11	5,094	5,167	180.63	5,526	7,928
180.12	5,103	5,218	180.64	5,534	7,983
180.13	5,111	5,269	180.65	5,543	8,039
180.14	5,119	5,320	180.66	5,551	8,094
180.15	5,128	5,371	180.67	5,559	8,150
180.16	5,136	5,423	180.68	5,567	8,205
180.17	5,144	5,474	180.69	5,576	8,261
180.18	5,152	5,525	180.70	5,584	8,317
180.19	5,161	5,577	180.71	5,592	8,373
180.20	5,169	5,629	180.72	5,601	8,429
180.21	5,177	5,680	180.73	5,609	8,485
180.22	5,186	5,732	180.74	5,617	8,541
180.23	5,194	5,784	180.75	5,626	8,597
180.24	5,202	5,836	180.76	5,634	8,653
180.25	5,211	5,888	180.77	5,642	8,710
180.26	5,219	5,940	180.78	5,650	8,766
180.27	5,227	5,993	180.79	5,659	8,823
180.28	5,235	6,045	180.80	5,667	8,880
180.29	5,244	6,097	180.81	5,675	8,936
180.30	5,252	6,150	180.82	5,684	8,993
180.31	5,260	6,202	180.83	5,692	9,050
180.32	5,269	6,255	180.84	5,700	9,107
180.33	5,277	6,308	180.85	5,708	9,164
180.34	5,285	6,360	180.86	5,717	9,221
180.35	5,293	6,413	180.87	5,725	9,278
180.36	5,302	6,466	180.88	5,733	9,336
180.37	5,310	6,519	180.89	5,742	9,393
180.38	5,318	6,573	180.90	5,750	9,450
180.39	5,327	6,626	180.91	5,758	9,508
180.40	5,335	6,679	180.92	5,767	9,566
180.41	5,343	6,732	180.93	5,775	9,623
180.42	5,352	6,786	180.94	5,783	9,681
180.43	5,360	6,840	180.95	5,791	9,739
180.44	5,368	6,893	180.96	5,800	9,797
180.45	5,376	6,947	180.97	5,808	9,855
180.46	5,385	7,001	180.98	5,816	9,913
180.47	5,393	7,055	180.99	5,825	9,971
180.48	5,401	7,109	181.00	5,833	10,030
180.49	5,410	7,163	181.01	5,842	10,088
180.50	5,418	7,217	181.02	5,851	10,146
180.51	5,426	7,271	181.03	5,859	10,205
180.52	5,435	7,325	181.04	5,868	10,264
180.53	5,443	7,380	181.05	5,877	10,322
180.54	5,451	7,434	181.06	5,886	10,381
180.55	5,460	7,489	181.07	5,894	10,440

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	5,903	10,499	181.60	6,359	13,687
181.09	5,912	10,558	181.61	6,368	13,751
181.10	5,921	10,617	181.62	6,377	13,815
181.11	5,929	10,676	181.63	6,386	13,878
181.12	5,938	10,736	181.64	6,394	13,942
181.13	5,947	10,795	181.65	6,403	14,006
181.14	5,956	10,855	181.66	6,412	14,070
181.15	5,965	10,914	181.67	6,421	14,134
181.16	5,973	10,974	181.68	6,429	14,199
181.17	5,982	11,034	181.69	6,438	14,263
181.18	5,991	11,094	181.70	6,447	14,327
181.19	6,000	11,154	181.71	6,456	14,392
181.20	6,008	11,214	181.72	6,464	14,457
181.21	6,017	11,274	181.73	6,473	14,521
181.22	6,026	11,334	181.74	6,482	14,586
181.23	6,035	11,394	181.75	6,491	14,651
181.24	6,043	11,455	181.76	6,500	14,716
181.25	6,052	11,515	181.77	6,508	14,781
181.26	6,061	11,576	181.78	6,517	14,846
181.27	6,070	11,636	181.79	6,526	14,911
181.28	6,079	11,697	181.80	6,535	14,977
181.29	6,087	11,758	181.81	6,543	15,042
181.30	6,096	11,819	181.82	6,552	15,107
181.31	6,105	11,880	181.83	6,561	15,173
181.32	6,114	11,941	181.84	6,570	15,239
181.33	6,122	12,002	181.85	6,578	15,304
181.34	6,131	12,063	181.86	6,587	15,370
181.35	6,140	12,125	181.87	6,596	15,436
181.36	6,149	12,186	181.88	6,605	15,502
181.37	6,157	12,248	181.89	6,614	15,568
181.38	6,166	12,309	181.90	6,622	15,634
181.39	6,175	12,371	181.91	6,631	15,701
181.40	6,184	12,433	181.92	6,640	15,767
181.41	6,193	12,495	181.93	6,649	15,833
181.42	6,201	12,557	181.94	6,657	15,900
181.43	6,210	12,619	181.95	6,666	15,967
181.44	6,219	12,681	181.96	6,675	16,033
181.45	6,228	12,743	181.97	6,684	16,100
181.46	6,236	12,805	181.98	6,692	16,167
181.47	6,245	12,868	181.99	6,701	16,234
181.48	6,254	12,930	182.00	6,710	16,301
181.49	6,263	12,993	182.01	6,719	16,368
181.50	6,272	13,056	182.02	6,728	16,435
181.51	6,280	13,118	182.03	6,738	16,503
181.52	6,289	13,181	182.04	6,747	16,570
181.53	6,298	13,244	182.05	6,756	16,638
181.54	6,307	13,307	182.06	6,765	16,705
181.55	6,315	13,370	182.07	6,775	16,773
181.56	6,324	13,433	182.08	6,784	16,841
181.57	6,333	13,497	182.09	6,793	16,909
181.58	6,342	13,560	182.10	6,802	16,977
181.59	6,350	13,624	182.11	6,812	17,045

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	6,821	17,113	182.64	7,301	20,784
182.13	6,830	17,181	182.65	7,310	20,857
182.14	6,839	17,249	182.66	7,319	20,931
182.15	6,848	17,318	182.67	7,328	21,004
182.16	6,858	17,386	182.68	7,338	21,077
182.17	6,867	17,455	182.69	7,347	21,151
182.18	6,876	17,524	182.70	7,356	21,224
182.19	6,885	17,593	182.71	7,365	21,298
182.20	6,895	17,661	182.72	7,375	21,371
182.21	6,904	17,730	182.73	7,384	21,445
182.22	6,913	17,800	182.74	7,393	21,519
182.23	6,922	17,869	182.75	7,402	21,593
182.24	6,932	17,938	182.76	7,411	21,667
182.25	6,941	18,007	182.77	7,421	21,741
182.26	6,950	18,077	182.78	7,430	21,816
182.27	6,959	18,146	182.79	7,439	21,890
182.28	6,968	18,216	182.80	7,448	21,964
182.29	6,978	18,286	182.81	7,458	22,039
182.30	6,987	18,356	182.82	7,467	22,114
182.31	6,996	18,425	182.83	7,476	22,188
182.32	7,005	18,495	182.84	7,485	22,263
182.33	7,015	18,566	182.85	7,495	22,338
182.34	7,024	18,636	182.86	7,504	22,413
182.35	7,033	18,706	182.87	7,513	22,488
182.36	7,042	18,776	182.88	7,522	22,563
182.37	7,052	18,847	182.89	7,531	22,638
182.38	7,061	18,917	182.90	7,541	22,714
182.39	7,070	18,988	182.91	7,550	22,789
182.40	7,079	19,059	182.92	7,559	22,865
182.41	7,088	19,130	182.93	7,568	22,940
182.42	7,098	19,201	182.94	7,578	23,016
182.43	7,107	19,272	182.95	7,587	23,092
182.44	7,116	19,343	182.96	7,596	23,168
182.45	7,125	19,414	182.97	7,605	23,244
182.46	7,135	19,485	182.98	7,615	23,320
182.47	7,144	19,557	182.99	7,624	23,396
182.48	7,153	19,628	183.00	7,633	23,473
182.49	7,162	19,700			
182.50	7,172	19,771			
182.51	7,181	19,843			
182.52	7,190	19,915			
182.53	7,199	19,987			
182.54	7,208	20,059			
182.55	7,218	20,131			
182.56	7,227	20,203			
182.57	7,236	20,276			
182.58	7,245	20,348			
182.59	7,255	20,421			
182.60	7,264	20,493			
182.61	7,273	20,566			
182.62	7,282	20,639			
182.63	7,291	20,711			

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 0.64" for WQ Storm event
 Inflow = 3.41 cfs @ 1.15 hrs, Volume= 0.118 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 181.00' @ 2.60 hrs Surf.Area= 5,521 sf Storage= 5,145 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	43,224 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	4,780	0	0
181.00	5,522	5,151	5,151
182.00	6,306	5,914	11,065
183.00	7,135	6,721	17,786
184.00	8,007	7,571	25,357
185.00	8,923	8,465	33,822
186.00	9,882	9,403	43,224

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	18.0" Round Culvert L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 ' / Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	181.00'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.75'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	183.95'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

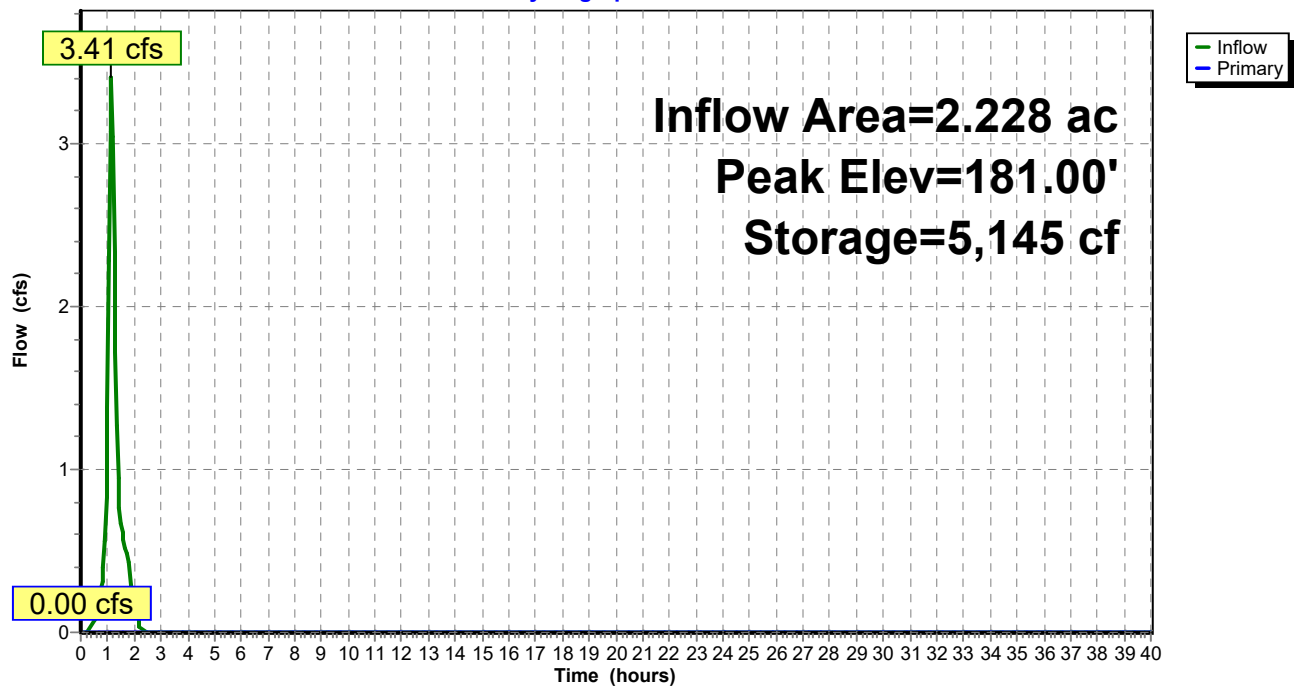
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=180.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 5.45 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-11: Basin #11

Hydrograph



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.01	1	180.00	0.00
0.50	0.06	11	180.00	0.00
0.60	0.14	44	180.01	0.00
0.70	0.23	111	180.02	0.00
0.80	0.32	210	180.04	0.00
0.90	0.56	361	180.08	0.00
1.00	1.38	685	180.14	0.00
1.10	3.08	1,496	180.31	0.00
1.20	3.04	2,661	180.53	0.00
1.30	1.72	3,511	180.70	0.00
1.40	0.95	3,979	180.78	0.00
1.50	0.66	4,261	180.84	0.00
1.60	0.57	4,482	180.88	0.00
1.70	0.48	4,669	180.91	0.00
1.80	0.45	4,836	180.94	0.00
1.90	0.29	4,971	180.97	0.00
2.00	0.18	5,053	180.98	0.00
2.10	0.12	5,109	180.99	0.00
2.20	0.03	5,136	181.00	0.00
2.30	0.01	5,143	181.00	0.00
2.40	0.00	5,144	181.00	0.00
2.50	0.00	5,145	181.00	0.00
2.60	0.00	5,145	181.00	0.00
2.70	0.00	5,145	181.00	0.00
2.80	0.00	5,145	181.00	0.00
2.90	0.00	5,145	181.00	0.00
3.00	0.00	5,145	181.00	0.00
3.10	0.00	5,145	181.00	0.00
3.20	0.00	5,145	181.00	0.00
3.30	0.00	5,145	181.00	0.00
3.40	0.00	5,145	181.00	0.00
3.50	0.00	5,145	181.00	0.00
3.60	0.00	5,145	181.00	0.00
3.70	0.00	5,145	181.00	0.00
3.80	0.00	5,145	181.00	0.00
3.90	0.00	5,145	181.00	0.00
4.00	0.00	5,145	181.00	0.00
4.10	0.00	5,145	181.00	0.00
4.20	0.00	5,145	181.00	0.00
4.30	0.00	5,145	181.00	0.00
4.40	0.00	5,145	181.00	0.00
4.50	0.00	5,145	181.00	0.00
4.60	0.00	5,145	181.00	0.00
4.70	0.00	5,145	181.00	0.00
4.80	0.00	5,145	181.00	0.00
4.90	0.00	5,145	181.00	0.00
5.00	0.00	5,145	181.00	0.00
5.10	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,145	181.00	0.00
5.30	0.00	5,145	181.00	0.00
5.40	0.00	5,145	181.00	0.00
5.50	0.00	5,145	181.00	0.00
5.60	0.00	5,145	181.00	0.00
5.70	0.00	5,145	181.00	0.00
5.80	0.00	5,145	181.00	0.00
5.90	0.00	5,145	181.00	0.00
6.00	0.00	5,145	181.00	0.00
6.10	0.00	5,145	181.00	0.00
6.20	0.00	5,145	181.00	0.00
6.30	0.00	5,145	181.00	0.00
6.40	0.00	5,145	181.00	0.00
6.50	0.00	5,145	181.00	0.00
6.60	0.00	5,145	181.00	0.00
6.70	0.00	5,145	181.00	0.00
6.80	0.00	5,145	181.00	0.00
6.90	0.00	5,145	181.00	0.00
7.00	0.00	5,145	181.00	0.00
7.10	0.00	5,145	181.00	0.00
7.20	0.00	5,145	181.00	0.00
7.30	0.00	5,145	181.00	0.00
7.40	0.00	5,145	181.00	0.00
7.50	0.00	5,145	181.00	0.00
7.60	0.00	5,145	181.00	0.00
7.70	0.00	5,145	181.00	0.00
7.80	0.00	5,145	181.00	0.00
7.90	0.00	5,145	181.00	0.00
8.00	0.00	5,145	181.00	0.00
8.10	0.00	5,145	181.00	0.00
8.20	0.00	5,145	181.00	0.00
8.30	0.00	5,145	181.00	0.00
8.40	0.00	5,145	181.00	0.00
8.50	0.00	5,145	181.00	0.00
8.60	0.00	5,145	181.00	0.00
8.70	0.00	5,145	181.00	0.00
8.80	0.00	5,145	181.00	0.00
8.90	0.00	5,145	181.00	0.00
9.00	0.00	5,145	181.00	0.00
9.10	0.00	5,145	181.00	0.00
9.20	0.00	5,145	181.00	0.00
9.30	0.00	5,145	181.00	0.00
9.40	0.00	5,145	181.00	0.00
9.50	0.00	5,145	181.00	0.00
9.60	0.00	5,145	181.00	0.00
9.70	0.00	5,145	181.00	0.00
9.80	0.00	5,145	181.00	0.00
9.90	0.00	5,145	181.00	0.00
10.00	0.00	5,145	181.00	0.00
10.10	0.00	5,145	181.00	0.00
10.20	0.00	5,145	181.00	0.00
10.30	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,145	181.00	0.00
10.50	0.00	5,145	181.00	0.00
10.60	0.00	5,145	181.00	0.00
10.70	0.00	5,145	181.00	0.00
10.80	0.00	5,145	181.00	0.00
10.90	0.00	5,145	181.00	0.00
11.00	0.00	5,145	181.00	0.00
11.10	0.00	5,145	181.00	0.00
11.20	0.00	5,145	181.00	0.00
11.30	0.00	5,145	181.00	0.00
11.40	0.00	5,145	181.00	0.00
11.50	0.00	5,145	181.00	0.00
11.60	0.00	5,145	181.00	0.00
11.70	0.00	5,145	181.00	0.00
11.80	0.00	5,145	181.00	0.00
11.90	0.00	5,145	181.00	0.00
12.00	0.00	5,145	181.00	0.00
12.10	0.00	5,145	181.00	0.00
12.20	0.00	5,145	181.00	0.00
12.30	0.00	5,145	181.00	0.00
12.40	0.00	5,145	181.00	0.00
12.50	0.00	5,145	181.00	0.00
12.60	0.00	5,145	181.00	0.00
12.70	0.00	5,145	181.00	0.00
12.80	0.00	5,145	181.00	0.00
12.90	0.00	5,145	181.00	0.00
13.00	0.00	5,145	181.00	0.00
13.10	0.00	5,145	181.00	0.00
13.20	0.00	5,145	181.00	0.00
13.30	0.00	5,145	181.00	0.00
13.40	0.00	5,145	181.00	0.00
13.50	0.00	5,145	181.00	0.00
13.60	0.00	5,145	181.00	0.00
13.70	0.00	5,145	181.00	0.00
13.80	0.00	5,145	181.00	0.00
13.90	0.00	5,145	181.00	0.00
14.00	0.00	5,145	181.00	0.00
14.10	0.00	5,145	181.00	0.00
14.20	0.00	5,145	181.00	0.00
14.30	0.00	5,145	181.00	0.00
14.40	0.00	5,145	181.00	0.00
14.50	0.00	5,145	181.00	0.00
14.60	0.00	5,145	181.00	0.00
14.70	0.00	5,145	181.00	0.00
14.80	0.00	5,145	181.00	0.00
14.90	0.00	5,145	181.00	0.00
15.00	0.00	5,145	181.00	0.00
15.10	0.00	5,145	181.00	0.00
15.20	0.00	5,145	181.00	0.00
15.30	0.00	5,145	181.00	0.00
15.40	0.00	5,145	181.00	0.00
15.50	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,145	181.00	0.00
15.70	0.00	5,145	181.00	0.00
15.80	0.00	5,145	181.00	0.00
15.90	0.00	5,145	181.00	0.00
16.00	0.00	5,145	181.00	0.00
16.10	0.00	5,145	181.00	0.00
16.20	0.00	5,145	181.00	0.00
16.30	0.00	5,145	181.00	0.00
16.40	0.00	5,145	181.00	0.00
16.50	0.00	5,145	181.00	0.00
16.60	0.00	5,145	181.00	0.00
16.70	0.00	5,145	181.00	0.00
16.80	0.00	5,145	181.00	0.00
16.90	0.00	5,145	181.00	0.00
17.00	0.00	5,145	181.00	0.00
17.10	0.00	5,145	181.00	0.00
17.20	0.00	5,145	181.00	0.00
17.30	0.00	5,145	181.00	0.00
17.40	0.00	5,145	181.00	0.00
17.50	0.00	5,145	181.00	0.00
17.60	0.00	5,145	181.00	0.00
17.70	0.00	5,145	181.00	0.00
17.80	0.00	5,145	181.00	0.00
17.90	0.00	5,145	181.00	0.00
18.00	0.00	5,145	181.00	0.00
18.10	0.00	5,145	181.00	0.00
18.20	0.00	5,145	181.00	0.00
18.30	0.00	5,145	181.00	0.00
18.40	0.00	5,145	181.00	0.00
18.50	0.00	5,145	181.00	0.00
18.60	0.00	5,145	181.00	0.00
18.70	0.00	5,145	181.00	0.00
18.80	0.00	5,145	181.00	0.00
18.90	0.00	5,145	181.00	0.00
19.00	0.00	5,145	181.00	0.00
19.10	0.00	5,145	181.00	0.00
19.20	0.00	5,145	181.00	0.00
19.30	0.00	5,145	181.00	0.00
19.40	0.00	5,145	181.00	0.00
19.50	0.00	5,145	181.00	0.00
19.60	0.00	5,145	181.00	0.00
19.70	0.00	5,145	181.00	0.00
19.80	0.00	5,145	181.00	0.00
19.90	0.00	5,145	181.00	0.00
20.00	0.00	5,145	181.00	0.00
20.10	0.00	5,145	181.00	0.00
20.20	0.00	5,145	181.00	0.00
20.30	0.00	5,145	181.00	0.00
20.40	0.00	5,145	181.00	0.00
20.50	0.00	5,145	181.00	0.00
20.60	0.00	5,145	181.00	0.00
20.70	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,145	181.00	0.00
20.90	0.00	5,145	181.00	0.00
21.00	0.00	5,145	181.00	0.00
21.10	0.00	5,145	181.00	0.00
21.20	0.00	5,145	181.00	0.00
21.30	0.00	5,145	181.00	0.00
21.40	0.00	5,145	181.00	0.00
21.50	0.00	5,145	181.00	0.00
21.60	0.00	5,145	181.00	0.00
21.70	0.00	5,145	181.00	0.00
21.80	0.00	5,145	181.00	0.00
21.90	0.00	5,145	181.00	0.00
22.00	0.00	5,145	181.00	0.00
22.10	0.00	5,145	181.00	0.00
22.20	0.00	5,145	181.00	0.00
22.30	0.00	5,145	181.00	0.00
22.40	0.00	5,145	181.00	0.00
22.50	0.00	5,145	181.00	0.00
22.60	0.00	5,145	181.00	0.00
22.70	0.00	5,145	181.00	0.00
22.80	0.00	5,145	181.00	0.00
22.90	0.00	5,145	181.00	0.00
23.00	0.00	5,145	181.00	0.00
23.10	0.00	5,145	181.00	0.00
23.20	0.00	5,145	181.00	0.00
23.30	0.00	5,145	181.00	0.00
23.40	0.00	5,145	181.00	0.00
23.50	0.00	5,145	181.00	0.00
23.60	0.00	5,145	181.00	0.00
23.70	0.00	5,145	181.00	0.00
23.80	0.00	5,145	181.00	0.00
23.90	0.00	5,145	181.00	0.00
24.00	0.00	5,145	181.00	0.00
24.10	0.00	5,145	181.00	0.00
24.20	0.00	5,145	181.00	0.00
24.30	0.00	5,145	181.00	0.00
24.40	0.00	5,145	181.00	0.00
24.50	0.00	5,145	181.00	0.00
24.60	0.00	5,145	181.00	0.00
24.70	0.00	5,145	181.00	0.00
24.80	0.00	5,145	181.00	0.00
24.90	0.00	5,145	181.00	0.00
25.00	0.00	5,145	181.00	0.00
25.10	0.00	5,145	181.00	0.00
25.20	0.00	5,145	181.00	0.00
25.30	0.00	5,145	181.00	0.00
25.40	0.00	5,145	181.00	0.00
25.50	0.00	5,145	181.00	0.00
25.60	0.00	5,145	181.00	0.00
25.70	0.00	5,145	181.00	0.00
25.80	0.00	5,145	181.00	0.00
25.90	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,145	181.00	0.00
26.10	0.00	5,145	181.00	0.00
26.20	0.00	5,145	181.00	0.00
26.30	0.00	5,145	181.00	0.00
26.40	0.00	5,145	181.00	0.00
26.50	0.00	5,145	181.00	0.00
26.60	0.00	5,145	181.00	0.00
26.70	0.00	5,145	181.00	0.00
26.80	0.00	5,145	181.00	0.00
26.90	0.00	5,145	181.00	0.00
27.00	0.00	5,145	181.00	0.00
27.10	0.00	5,145	181.00	0.00
27.20	0.00	5,145	181.00	0.00
27.30	0.00	5,145	181.00	0.00
27.40	0.00	5,145	181.00	0.00
27.50	0.00	5,145	181.00	0.00
27.60	0.00	5,145	181.00	0.00
27.70	0.00	5,145	181.00	0.00
27.80	0.00	5,145	181.00	0.00
27.90	0.00	5,145	181.00	0.00
28.00	0.00	5,145	181.00	0.00
28.10	0.00	5,145	181.00	0.00
28.20	0.00	5,145	181.00	0.00
28.30	0.00	5,145	181.00	0.00
28.40	0.00	5,145	181.00	0.00
28.50	0.00	5,145	181.00	0.00
28.60	0.00	5,145	181.00	0.00
28.70	0.00	5,145	181.00	0.00
28.80	0.00	5,145	181.00	0.00
28.90	0.00	5,145	181.00	0.00
29.00	0.00	5,145	181.00	0.00
29.10	0.00	5,145	181.00	0.00
29.20	0.00	5,145	181.00	0.00
29.30	0.00	5,145	181.00	0.00
29.40	0.00	5,145	181.00	0.00
29.50	0.00	5,145	181.00	0.00
29.60	0.00	5,145	181.00	0.00
29.70	0.00	5,145	181.00	0.00
29.80	0.00	5,145	181.00	0.00
29.90	0.00	5,145	181.00	0.00
30.00	0.00	5,145	181.00	0.00
30.10	0.00	5,145	181.00	0.00
30.20	0.00	5,145	181.00	0.00
30.30	0.00	5,145	181.00	0.00
30.40	0.00	5,145	181.00	0.00
30.50	0.00	5,145	181.00	0.00
30.60	0.00	5,145	181.00	0.00
30.70	0.00	5,145	181.00	0.00
30.80	0.00	5,145	181.00	0.00
30.90	0.00	5,145	181.00	0.00
31.00	0.00	5,145	181.00	0.00
31.10	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,145	181.00	0.00
31.30	0.00	5,145	181.00	0.00
31.40	0.00	5,145	181.00	0.00
31.50	0.00	5,145	181.00	0.00
31.60	0.00	5,145	181.00	0.00
31.70	0.00	5,145	181.00	0.00
31.80	0.00	5,145	181.00	0.00
31.90	0.00	5,145	181.00	0.00
32.00	0.00	5,145	181.00	0.00
32.10	0.00	5,145	181.00	0.00
32.20	0.00	5,145	181.00	0.00
32.30	0.00	5,145	181.00	0.00
32.40	0.00	5,145	181.00	0.00
32.50	0.00	5,145	181.00	0.00
32.60	0.00	5,145	181.00	0.00
32.70	0.00	5,145	181.00	0.00
32.80	0.00	5,145	181.00	0.00
32.90	0.00	5,145	181.00	0.00
33.00	0.00	5,145	181.00	0.00
33.10	0.00	5,145	181.00	0.00
33.20	0.00	5,145	181.00	0.00
33.30	0.00	5,145	181.00	0.00
33.40	0.00	5,145	181.00	0.00
33.50	0.00	5,145	181.00	0.00
33.60	0.00	5,145	181.00	0.00
33.70	0.00	5,145	181.00	0.00
33.80	0.00	5,145	181.00	0.00
33.90	0.00	5,145	181.00	0.00
34.00	0.00	5,145	181.00	0.00
34.10	0.00	5,145	181.00	0.00
34.20	0.00	5,145	181.00	0.00
34.30	0.00	5,145	181.00	0.00
34.40	0.00	5,145	181.00	0.00
34.50	0.00	5,145	181.00	0.00
34.60	0.00	5,145	181.00	0.00
34.70	0.00	5,145	181.00	0.00
34.80	0.00	5,145	181.00	0.00
34.90	0.00	5,145	181.00	0.00
35.00	0.00	5,145	181.00	0.00
35.10	0.00	5,145	181.00	0.00
35.20	0.00	5,145	181.00	0.00
35.30	0.00	5,145	181.00	0.00
35.40	0.00	5,145	181.00	0.00
35.50	0.00	5,145	181.00	0.00
35.60	0.00	5,145	181.00	0.00
35.70	0.00	5,145	181.00	0.00
35.80	0.00	5,145	181.00	0.00
35.90	0.00	5,145	181.00	0.00
36.00	0.00	5,145	181.00	0.00
36.10	0.00	5,145	181.00	0.00
36.20	0.00	5,145	181.00	0.00
36.30	0.00	5,145	181.00	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,145	181.00	0.00
36.50	0.00	5,145	181.00	0.00
36.60	0.00	5,145	181.00	0.00
36.70	0.00	5,145	181.00	0.00
36.80	0.00	5,145	181.00	0.00
36.90	0.00	5,145	181.00	0.00
37.00	0.00	5,145	181.00	0.00
37.10	0.00	5,145	181.00	0.00
37.20	0.00	5,145	181.00	0.00
37.30	0.00	5,145	181.00	0.00
37.40	0.00	5,145	181.00	0.00
37.50	0.00	5,145	181.00	0.00
37.60	0.00	5,145	181.00	0.00
37.70	0.00	5,145	181.00	0.00
37.80	0.00	5,145	181.00	0.00
37.90	0.00	5,145	181.00	0.00
38.00	0.00	5,145	181.00	0.00
38.10	0.00	5,145	181.00	0.00
38.20	0.00	5,145	181.00	0.00
38.30	0.00	5,145	181.00	0.00
38.40	0.00	5,145	181.00	0.00
38.50	0.00	5,145	181.00	0.00
38.60	0.00	5,145	181.00	0.00
38.70	0.00	5,145	181.00	0.00
38.80	0.00	5,145	181.00	0.00
38.90	0.00	5,145	181.00	0.00
39.00	0.00	5,145	181.00	0.00
39.10	0.00	5,145	181.00	0.00
39.20	0.00	5,145	181.00	0.00
39.30	0.00	5,145	181.00	0.00
39.40	0.00	5,145	181.00	0.00
39.50	0.00	5,145	181.00	0.00
39.60	0.00	5,145	181.00	0.00
39.70	0.00	5,145	181.00	0.00
39.80	0.00	5,145	181.00	0.00
39.90	0.00	5,145	181.00	0.00
40.00	0.00	5,145	181.00	0.00

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.00	181.04	0.00	181.56	0.11
180.01	0.00	180.53	0.00	181.05	0.00	181.57	0.11
180.02	0.00	180.54	0.00	181.06	0.01	181.58	0.11
180.03	0.00	180.55	0.00	181.07	0.01	181.59	0.11
180.04	0.00	180.56	0.00	181.08	0.01	181.60	0.12
180.05	0.00	180.57	0.00	181.09	0.01	181.61	0.12
180.06	0.00	180.58	0.00	181.10	0.02	181.62	0.12
180.07	0.00	180.59	0.00	181.11	0.02	181.63	0.12
180.08	0.00	180.60	0.00	181.12	0.02	181.64	0.12
180.09	0.00	180.61	0.00	181.13	0.03	181.65	0.12
180.10	0.00	180.62	0.00	181.14	0.03	181.66	0.12
180.11	0.00	180.63	0.00	181.15	0.03	181.67	0.12
180.12	0.00	180.64	0.00	181.16	0.04	181.68	0.12
180.13	0.00	180.65	0.00	181.17	0.04	181.69	0.13
180.14	0.00	180.66	0.00	181.18	0.05	181.70	0.13
180.15	0.00	180.67	0.00	181.19	0.05	181.71	0.13
180.16	0.00	180.68	0.00	181.20	0.05	181.72	0.13
180.17	0.00	180.69	0.00	181.21	0.05	181.73	0.13
180.18	0.00	180.70	0.00	181.22	0.06	181.74	0.13
180.19	0.00	180.71	0.00	181.23	0.06	181.75	0.13
180.20	0.00	180.72	0.00	181.24	0.06	181.76	0.13
180.21	0.00	180.73	0.00	181.25	0.06	181.77	0.13
180.22	0.00	180.74	0.00	181.26	0.06	181.78	0.13
180.23	0.00	180.75	0.00	181.27	0.07	181.79	0.14
180.24	0.00	180.76	0.00	181.28	0.07	181.80	0.14
180.25	0.00	180.77	0.00	181.29	0.07	181.81	0.14
180.26	0.00	180.78	0.00	181.30	0.07	181.82	0.14
180.27	0.00	180.79	0.00	181.31	0.07	181.83	0.14
180.28	0.00	180.80	0.00	181.32	0.08	181.84	0.14
180.29	0.00	180.81	0.00	181.33	0.08	181.85	0.14
180.30	0.00	180.82	0.00	181.34	0.08	181.86	0.14
180.31	0.00	180.83	0.00	181.35	0.08	181.87	0.14
180.32	0.00	180.84	0.00	181.36	0.08	181.88	0.14
180.33	0.00	180.85	0.00	181.37	0.08	181.89	0.15
180.34	0.00	180.86	0.00	181.38	0.09	181.90	0.15
180.35	0.00	180.87	0.00	181.39	0.09	181.91	0.15
180.36	0.00	180.88	0.00	181.40	0.09	181.92	0.15
180.37	0.00	180.89	0.00	181.41	0.09	181.93	0.15
180.38	0.00	180.90	0.00	181.42	0.09	181.94	0.15
180.39	0.00	180.91	0.00	181.43	0.09	181.95	0.15
180.40	0.00	180.92	0.00	181.44	0.10	181.96	0.15
180.41	0.00	180.93	0.00	181.45	0.10	181.97	0.15
180.42	0.00	180.94	0.00	181.46	0.10	181.98	0.15
180.43	0.00	180.95	0.00	181.47	0.10	181.99	0.15
180.44	0.00	180.96	0.00	181.48	0.10	182.00	0.16
180.45	0.00	180.97	0.00	181.49	0.10	182.01	0.16
180.46	0.00	180.98	0.00	181.50	0.10	182.02	0.16
180.47	0.00	180.99	0.00	181.51	0.10	182.03	0.16
180.48	0.00	181.00	0.00	181.52	0.11	182.04	0.16
180.49	0.00	181.01	0.00	181.53	0.11	182.05	0.16
180.50	0.00	181.02	0.00	181.54	0.11	182.06	0.16
180.51	0.00	181.03	0.00	181.55	0.11	182.07	0.16

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.16	182.60	0.20	183.12	3.12	183.64	10.75
182.09	0.16	182.61	0.20	183.13	3.24	183.65	10.93
182.10	0.16	182.62	0.20	183.14	3.36	183.66	11.10
182.11	0.16	182.63	0.20	183.15	3.48	183.67	11.27
182.12	0.17	182.64	0.20	183.16	3.60	183.68	11.45
182.13	0.17	182.65	0.20	183.17	3.72	183.69	11.62
182.14	0.17	182.66	0.20	183.18	3.85	183.70	11.80
182.15	0.17	182.67	0.21	183.19	3.97	183.71	11.98
182.16	0.17	182.68	0.21	183.20	4.10	183.72	12.16
182.17	0.17	182.69	0.21	183.21	4.23	183.73	12.33
182.18	0.17	182.70	0.21	183.22	4.35	183.74	12.51
182.19	0.17	182.71	0.21	183.23	4.48	183.75	12.69
182.20	0.17	182.72	0.21	183.24	4.62	183.76	12.87
182.21	0.17	182.73	0.21	183.25	4.75	183.77	13.06
182.22	0.17	182.74	0.21	183.26	4.88	183.78	13.24
182.23	0.17	182.75	0.21	183.27	5.02	183.79	13.42
182.24	0.17	182.76	0.22	183.28	5.16	183.80	13.60
182.25	0.18	182.77	0.25	183.29	5.29	183.81	13.79
182.26	0.18	182.78	0.28	183.30	5.43	183.82	13.97
182.27	0.18	182.79	0.32	183.31	5.57	183.83	14.16
182.28	0.18	182.80	0.36	183.32	5.71	183.84	14.35
182.29	0.18	182.81	0.41	183.33	5.85	183.85	14.53
182.30	0.18	182.82	0.46	183.34	6.00	183.86	14.72
182.31	0.18	182.83	0.51	183.35	6.14	183.87	14.91
182.32	0.18	182.84	0.57	183.36	6.29	183.88	15.04
182.33	0.18	182.85	0.63	183.37	6.43	183.89	15.05
182.34	0.18	182.86	0.69	183.38	6.58	183.90	15.07
182.35	0.18	182.87	0.76	183.39	6.73	183.91	15.09
182.36	0.18	182.88	0.83	183.40	6.88	183.92	15.11
182.37	0.18	182.89	0.90	183.41	7.03	183.93	15.12
182.38	0.19	182.90	0.97	183.42	7.18	183.94	15.14
182.39	0.19	182.91	1.05	183.43	7.34	183.95	15.16
182.40	0.19	182.92	1.13	183.44	7.49	183.96	15.29
182.41	0.19	182.93	1.21	183.45	7.64	183.97	15.52
182.42	0.19	182.94	1.30	183.46	7.80	183.98	15.82
182.43	0.19	182.95	1.38	183.47	7.96	183.99	16.16
182.44	0.19	182.96	1.47	183.48	8.11	184.00	16.55
182.45	0.19	182.97	1.56	183.49	8.27	184.01	16.98
182.46	0.19	182.98	1.65	183.50	8.43	184.02	17.45
182.47	0.19	182.99	1.74	183.51	8.59	184.03	17.95
182.48	0.19	183.00	1.84	183.52	8.75	184.04	18.48
182.49	0.19	183.01	1.94	183.53	8.91	184.05	19.04
182.50	0.19	183.02	2.04	183.54	9.08	184.06	19.63
182.51	0.19	183.03	2.14	183.55	9.24	184.07	20.25
182.52	0.20	183.04	2.24	183.56	9.41	184.08	20.89
182.53	0.20	183.05	2.35	183.57	9.57	184.09	21.56
182.54	0.20	183.06	2.45	183.58	9.74	184.10	22.26
182.55	0.20	183.07	2.56	183.59	9.91	184.11	22.97
182.56	0.20	183.08	2.67	183.60	10.07	184.12	23.71
182.57	0.20	183.09	2.78	183.61	10.24	184.13	24.47
182.58	0.20	183.10	2.89	183.62	10.41	184.14	25.25
182.59	0.20	183.11	3.01	183.63	10.58	184.15	26.06

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	26.92	184.68	103.08	185.20	213.99	185.72	356.44
184.17	27.81	184.69	104.90	185.21	216.43	185.73	359.48
184.18	28.73	184.70	106.72	185.22	218.87	185.74	362.53
184.19	29.67	184.71	108.56	185.23	221.33	185.75	365.59
184.20	30.63	184.72	110.41	185.24	223.80	185.76	368.66
184.21	31.62	184.73	112.27	185.25	226.27	185.77	371.74
184.22	32.63	184.74	114.14	185.26	228.76	185.78	374.83
184.23	33.67	184.75	116.03	185.27	231.26	185.79	377.93
184.24	34.74	184.76	117.96	185.28	233.77	185.80	381.05
184.25	35.83	184.77	119.91	185.29	236.28	185.81	384.17
184.26	36.94	184.78	121.87	185.30	238.81	185.82	387.30
184.27	38.08	184.79	123.85	185.31	241.35	185.83	390.45
184.28	39.24	184.80	125.84	185.32	243.90	185.84	393.60
184.29	40.43	184.81	127.84	185.33	246.46	185.85	396.77
184.30	41.64	184.82	129.85	185.34	249.03	185.86	399.94
184.31	42.87	184.83	131.88	185.35	251.61	185.87	403.13
184.32	44.13	184.84	133.92	185.36	254.25	185.88	406.32
184.33	45.41	184.85	135.97	185.37	256.90	185.89	409.53
184.34	46.72	184.86	138.04	185.38	259.55	185.90	412.75
184.35	48.05	184.87	140.12	185.39	262.22	185.91	415.98
184.36	49.44	184.88	142.21	185.40	264.90	185.92	419.21
184.37	50.84	184.89	144.31	185.41	267.59	185.93	422.46
184.38	52.28	184.90	146.43	185.42	270.30	185.94	425.72
184.39	53.74	184.91	148.56	185.43	273.01	185.95	428.99
184.40	55.22	184.92	150.70	185.44	275.73	185.96	432.33
184.41	56.74	184.93	152.86	185.45	278.47	185.97	435.69
184.42	58.28	184.94	155.03	185.46	281.22	185.98	439.05
184.43	59.84	184.95	157.21	185.47	283.97	185.99	442.43
184.44	61.43	184.96	159.34	185.48	286.74	186.00	445.82
184.45	63.05	184.97	161.49	185.49	289.52		
184.46	64.69	184.98	163.66	185.50	292.31		
184.47	66.37	184.99	165.83	185.51	295.11		
184.48	68.06	185.00	168.01	185.52	297.93		
184.49	69.79	185.01	170.20	185.53	300.75		
184.50	71.54	185.02	172.40	185.54	303.58		
184.51	73.32	185.03	174.62	185.55	306.43		
184.52	75.12	185.04	176.84	185.56	309.28		
184.53	76.95	185.05	179.08	185.57	312.15		
184.54	78.81	185.06	181.32	185.58	315.03		
184.55	80.70	185.07	183.58	185.59	317.92		
184.56	82.34	185.08	185.84	185.60	320.82		
184.57	83.99	185.09	188.12	185.61	323.73		
184.58	85.66	185.10	190.40	185.62	326.65		
184.59	87.35	185.11	192.70	185.63	329.58		
184.60	89.04	185.12	195.00	185.64	332.52		
184.61	90.75	185.13	197.32	185.65	335.47		
184.62	92.48	185.14	199.65	185.66	338.44		
184.63	94.21	185.15	201.98	185.67	341.41		
184.64	95.96	185.16	204.36	185.68	344.40		
184.65	97.72	185.17	206.75	185.69	347.39		
184.66	99.50	185.18	209.16	185.70	350.40		
184.67	101.28	185.19	211.57	185.71	353.42		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	4,780	0	180.52	5,166	2,586
180.01	4,787	48	180.53	5,173	2,638
180.02	4,795	96	180.54	5,181	2,689
180.03	4,802	144	180.55	5,188	2,741
180.04	4,810	192	180.56	5,196	2,793
180.05	4,817	240	180.57	5,203	2,845
180.06	4,825	288	180.58	5,210	2,897
180.07	4,832	336	180.59	5,218	2,949
180.08	4,839	385	180.60	5,225	3,002
180.09	4,847	433	180.61	5,233	3,054
180.10	4,854	482	180.62	5,240	3,106
180.11	4,862	530	180.63	5,247	3,159
180.12	4,869	579	180.64	5,255	3,211
180.13	4,876	628	180.65	5,262	3,264
180.14	4,884	676	180.66	5,270	3,316
180.15	4,891	725	180.67	5,277	3,369
180.16	4,899	774	180.68	5,285	3,422
180.17	4,906	823	180.69	5,292	3,475
180.18	4,914	872	180.70	5,299	3,528
180.19	4,921	922	180.71	5,307	3,581
180.20	4,928	971	180.72	5,314	3,634
180.21	4,936	1,020	180.73	5,322	3,687
180.22	4,943	1,070	180.74	5,329	3,740
180.23	4,951	1,119	180.75	5,337	3,794
180.24	4,958	1,169	180.76	5,344	3,847
180.25	4,966	1,218	180.77	5,351	3,901
180.26	4,973	1,268	180.78	5,359	3,954
180.27	4,980	1,318	180.79	5,366	4,008
180.28	4,988	1,367	180.80	5,374	4,061
180.29	4,995	1,417	180.81	5,381	4,115
180.30	5,003	1,467	180.82	5,388	4,169
180.31	5,010	1,517	180.83	5,396	4,223
180.32	5,017	1,568	180.84	5,403	4,277
180.33	5,025	1,618	180.85	5,411	4,331
180.34	5,032	1,668	180.86	5,418	4,385
180.35	5,040	1,718	180.87	5,426	4,439
180.36	5,047	1,769	180.88	5,433	4,494
180.37	5,055	1,819	180.89	5,440	4,548
180.38	5,062	1,870	180.90	5,448	4,603
180.39	5,069	1,921	180.91	5,455	4,657
180.40	5,077	1,971	180.92	5,463	4,712
180.41	5,084	2,022	180.93	5,470	4,766
180.42	5,092	2,073	180.94	5,477	4,821
180.43	5,099	2,124	180.95	5,485	4,876
180.44	5,106	2,175	180.96	5,492	4,931
180.45	5,114	2,226	180.97	5,500	4,986
180.46	5,121	2,277	180.98	5,507	5,041
180.47	5,129	2,329	180.99	5,515	5,096
180.48	5,136	2,380	181.00	5,522	5,151
180.49	5,144	2,431	181.01	5,530	5,206
180.50	5,151	2,483	181.02	5,538	5,262
180.51	5,158	2,534	181.03	5,546	5,317

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	5,553	5,373	181.56	5,961	8,366
181.05	5,561	5,428	181.57	5,969	8,426
181.06	5,569	5,484	181.58	5,977	8,486
181.07	5,577	5,539	181.59	5,985	8,545
181.08	5,585	5,595	181.60	5,992	8,605
181.09	5,593	5,651	181.61	6,000	8,665
181.10	5,600	5,707	181.62	6,008	8,725
181.11	5,608	5,763	181.63	6,016	8,785
181.12	5,616	5,819	181.64	6,024	8,846
181.13	5,624	5,875	181.65	6,032	8,906
181.14	5,632	5,932	181.66	6,039	8,966
181.15	5,640	5,988	181.67	6,047	9,027
181.16	5,647	6,045	181.68	6,055	9,087
181.17	5,655	6,101	181.69	6,063	9,148
181.18	5,663	6,158	181.70	6,071	9,208
181.19	5,671	6,214	181.71	6,079	9,269
181.20	5,679	6,271	181.72	6,086	9,330
181.21	5,687	6,328	181.73	6,094	9,391
181.22	5,694	6,385	181.74	6,102	9,452
181.23	5,702	6,442	181.75	6,110	9,513
181.24	5,710	6,499	181.76	6,118	9,574
181.25	5,718	6,556	181.77	6,126	9,635
181.26	5,726	6,613	181.78	6,134	9,697
181.27	5,734	6,671	181.79	6,141	9,758
181.28	5,742	6,728	181.80	6,149	9,819
181.29	5,749	6,785	181.81	6,157	9,881
181.30	5,757	6,843	181.82	6,165	9,943
181.31	5,765	6,900	181.83	6,173	10,004
181.32	5,773	6,958	181.84	6,181	10,066
181.33	5,781	7,016	181.85	6,188	10,128
181.34	5,789	7,074	181.86	6,196	10,190
181.35	5,796	7,132	181.87	6,204	10,252
181.36	5,804	7,190	181.88	6,212	10,314
181.37	5,812	7,248	181.89	6,220	10,376
181.38	5,820	7,306	181.90	6,228	10,438
181.39	5,828	7,364	181.91	6,235	10,501
181.40	5,836	7,423	181.92	6,243	10,563
181.41	5,843	7,481	181.93	6,251	10,626
181.42	5,851	7,539	181.94	6,259	10,688
181.43	5,859	7,598	181.95	6,267	10,751
181.44	5,867	7,657	181.96	6,275	10,813
181.45	5,875	7,715	181.97	6,282	10,876
181.46	5,883	7,774	181.98	6,290	10,939
181.47	5,890	7,833	181.99	6,298	11,002
181.48	5,898	7,892	182.00	6,306	11,065
181.49	5,906	7,951	182.01	6,314	11,128
181.50	5,914	8,010	182.02	6,323	11,191
181.51	5,922	8,069	182.03	6,331	11,255
181.52	5,930	8,128	182.04	6,339	11,318
181.53	5,938	8,188	182.05	6,347	11,381
181.54	5,945	8,247	182.06	6,356	11,445
181.55	5,953	8,307	182.07	6,364	11,508

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	6,372	11,572	182.60	6,803	14,998
182.09	6,381	11,636	182.61	6,812	15,066
182.10	6,389	11,700	182.62	6,820	15,134
182.11	6,397	11,764	182.63	6,828	15,202
182.12	6,405	11,828	182.64	6,837	15,271
182.13	6,414	11,892	182.65	6,845	15,339
182.14	6,422	11,956	182.66	6,853	15,408
182.15	6,430	12,020	182.67	6,861	15,476
182.16	6,439	12,085	182.68	6,870	15,545
182.17	6,447	12,149	182.69	6,878	15,613
182.18	6,455	12,214	182.70	6,886	15,682
182.19	6,464	12,278	182.71	6,895	15,751
182.20	6,472	12,343	182.72	6,903	15,820
182.21	6,480	12,408	182.73	6,911	15,889
182.22	6,488	12,472	182.74	6,919	15,958
182.23	6,497	12,537	182.75	6,928	16,028
182.24	6,505	12,602	182.76	6,936	16,097
182.25	6,513	12,667	182.77	6,944	16,166
182.26	6,522	12,733	182.78	6,953	16,236
182.27	6,530	12,798	182.79	6,961	16,305
182.28	6,538	12,863	182.80	6,969	16,375
182.29	6,546	12,929	182.81	6,977	16,445
182.30	6,555	12,994	182.82	6,986	16,515
182.31	6,563	13,060	182.83	6,994	16,585
182.32	6,571	13,125	182.84	7,002	16,655
182.33	6,580	13,191	182.85	7,011	16,725
182.34	6,588	13,257	182.86	7,019	16,795
182.35	6,596	13,323	182.87	7,027	16,865
182.36	6,604	13,389	182.88	7,036	16,935
182.37	6,613	13,455	182.89	7,044	17,006
182.38	6,621	13,521	182.90	7,052	17,076
182.39	6,629	13,587	182.91	7,060	17,147
182.40	6,638	13,654	182.92	7,069	17,217
182.41	6,646	13,720	182.93	7,077	17,288
182.42	6,654	13,787	182.94	7,085	17,359
182.43	6,662	13,853	182.95	7,094	17,430
182.44	6,671	13,920	182.96	7,102	17,501
182.45	6,679	13,987	182.97	7,110	17,572
182.46	6,687	14,053	182.98	7,118	17,643
182.47	6,696	14,120	182.99	7,127	17,714
182.48	6,704	14,187	183.00	7,135	17,786
182.49	6,712	14,254	183.01	7,144	17,857
182.50	6,721	14,322	183.02	7,152	17,928
182.51	6,729	14,389	183.03	7,161	18,000
182.52	6,737	14,456	183.04	7,170	18,072
182.53	6,745	14,524	183.05	7,179	18,143
182.54	6,754	14,591	183.06	7,187	18,215
182.55	6,762	14,659	183.07	7,196	18,287
182.56	6,770	14,726	183.08	7,205	18,359
182.57	6,779	14,794	183.09	7,213	18,431
182.58	6,787	14,862	183.10	7,222	18,503
182.59	6,795	14,930	183.11	7,231	18,576

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	7,240	18,648	183.64	7,693	22,530
183.13	7,248	18,720	183.65	7,702	22,607
183.14	7,257	18,793	183.66	7,711	22,685
183.15	7,266	18,866	183.67	7,719	22,762
183.16	7,275	18,938	183.68	7,728	22,839
183.17	7,283	19,011	183.69	7,737	22,916
183.18	7,292	19,084	183.70	7,745	22,994
183.19	7,301	19,157	183.71	7,754	23,071
183.20	7,309	19,230	183.72	7,763	23,149
183.21	7,318	19,303	183.73	7,772	23,226
183.22	7,327	19,376	183.74	7,780	23,304
183.23	7,336	19,450	183.75	7,789	23,382
183.24	7,344	19,523	183.76	7,798	23,460
183.25	7,353	19,597	183.77	7,806	23,538
183.26	7,362	19,670	183.78	7,815	23,616
183.27	7,370	19,744	183.79	7,824	23,694
183.28	7,379	19,817	183.80	7,833	23,773
183.29	7,388	19,891	183.81	7,841	23,851
183.30	7,397	19,965	183.82	7,850	23,929
183.31	7,405	20,039	183.83	7,859	24,008
183.32	7,414	20,113	183.84	7,867	24,087
183.33	7,423	20,188	183.85	7,876	24,165
183.34	7,431	20,262	183.86	7,885	24,244
183.35	7,440	20,336	183.87	7,894	24,323
183.36	7,449	20,411	183.88	7,902	24,402
183.37	7,458	20,485	183.89	7,911	24,481
183.38	7,466	20,560	183.90	7,920	24,560
183.39	7,475	20,634	183.91	7,929	24,639
183.40	7,484	20,709	183.92	7,937	24,719
183.41	7,493	20,784	183.93	7,946	24,798
183.42	7,501	20,859	183.94	7,955	24,878
183.43	7,510	20,934	183.95	7,963	24,957
183.44	7,519	21,009	183.96	7,972	25,037
183.45	7,527	21,085	183.97	7,981	25,117
183.46	7,536	21,160	183.98	7,990	25,197
183.47	7,545	21,235	183.99	7,998	25,276
183.48	7,554	21,311	184.00	8,007	25,357
183.49	7,562	21,386	184.01	8,016	25,437
183.50	7,571	21,462	184.02	8,025	25,517
183.51	7,580	21,538	184.03	8,034	25,597
183.52	7,588	21,614	184.04	8,044	25,678
183.53	7,597	21,690	184.05	8,053	25,758
183.54	7,606	21,766	184.06	8,062	25,839
183.55	7,615	21,842	184.07	8,071	25,919
183.56	7,623	21,918	184.08	8,080	26,000
183.57	7,632	21,994	184.09	8,089	26,081
183.58	7,641	22,070	184.10	8,099	26,162
183.59	7,649	22,147	184.11	8,108	26,243
183.60	7,658	22,223	184.12	8,117	26,324
183.61	7,667	22,300	184.13	8,126	26,405
183.62	7,676	22,377	184.14	8,135	26,486
183.63	7,684	22,454	184.15	8,144	26,568

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	8,154	26,649	184.68	8,630	31,013
184.17	8,163	26,731	184.69	8,639	31,099
184.18	8,172	26,813	184.70	8,648	31,186
184.19	8,181	26,894	184.71	8,657	31,272
184.20	8,190	26,976	184.72	8,667	31,359
184.21	8,199	27,058	184.73	8,676	31,446
184.22	8,209	27,140	184.74	8,685	31,532
184.23	8,218	27,222	184.75	8,694	31,619
184.24	8,227	27,305	184.76	8,703	31,706
184.25	8,236	27,387	184.77	8,712	31,793
184.26	8,245	27,469	184.78	8,721	31,881
184.27	8,254	27,552	184.79	8,731	31,968
184.28	8,263	27,634	184.80	8,740	32,055
184.29	8,273	27,717	184.81	8,749	32,143
184.30	8,282	27,800	184.82	8,758	32,230
184.31	8,291	27,883	184.83	8,767	32,318
184.32	8,300	27,966	184.84	8,776	32,406
184.33	8,309	28,049	184.85	8,786	32,493
184.34	8,318	28,132	184.86	8,795	32,581
184.35	8,328	28,215	184.87	8,804	32,669
184.36	8,337	28,298	184.88	8,813	32,757
184.37	8,346	28,382	184.89	8,822	32,846
184.38	8,355	28,465	184.90	8,831	32,934
184.39	8,364	28,549	184.91	8,841	33,022
184.40	8,373	28,633	184.92	8,850	33,111
184.41	8,383	28,716	184.93	8,859	33,199
184.42	8,392	28,800	184.94	8,868	33,288
184.43	8,401	28,884	184.95	8,877	33,376
184.44	8,410	28,968	184.96	8,886	33,465
184.45	8,419	29,052	184.97	8,896	33,554
184.46	8,428	29,137	184.98	8,905	33,643
184.47	8,438	29,221	184.99	8,914	33,732
184.48	8,447	29,305	185.00	8,923	33,822
184.49	8,456	29,390	185.01	8,933	33,911
184.50	8,465	29,475	185.02	8,942	34,000
184.51	8,474	29,559	185.03	8,952	34,090
184.52	8,483	29,644	185.04	8,961	34,179
184.53	8,492	29,729	185.05	8,971	34,269
184.54	8,502	29,814	185.06	8,981	34,359
184.55	8,511	29,899	185.07	8,990	34,448
184.56	8,520	29,984	185.08	9,000	34,538
184.57	8,529	30,069	185.09	9,009	34,628
184.58	8,538	30,155	185.10	9,019	34,719
184.59	8,547	30,240	185.11	9,028	34,809
184.60	8,557	30,326	185.12	9,038	34,899
184.61	8,566	30,411	185.13	9,048	34,990
184.62	8,575	30,497	185.14	9,057	35,080
184.63	8,584	30,583	185.15	9,067	35,171
184.64	8,593	30,669	185.16	9,076	35,261
184.65	8,602	30,755	185.17	9,086	35,352
184.66	8,612	30,841	185.18	9,096	35,443
184.67	8,621	30,927	185.19	9,105	35,534

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	9,115	35,625	185.72	9,613	40,495
185.21	9,124	35,716	185.73	9,623	40,591
185.22	9,134	35,808	185.74	9,633	40,687
185.23	9,144	35,899	185.75	9,642	40,783
185.24	9,153	35,991	185.76	9,652	40,880
185.25	9,163	36,082	185.77	9,661	40,977
185.26	9,172	36,174	185.78	9,671	41,073
185.27	9,182	36,266	185.79	9,681	41,170
185.28	9,192	36,358	185.80	9,690	41,267
185.29	9,201	36,449	185.81	9,700	41,364
185.30	9,211	36,542	185.82	9,709	41,461
185.31	9,220	36,634	185.83	9,719	41,558
185.32	9,230	36,726	185.84	9,729	41,655
185.33	9,239	36,818	185.85	9,738	41,752
185.34	9,249	36,911	185.86	9,748	41,850
185.35	9,259	37,003	185.87	9,757	41,947
185.36	9,268	37,096	185.88	9,767	42,045
185.37	9,278	37,189	185.89	9,777	42,143
185.38	9,287	37,281	185.90	9,786	42,241
185.39	9,297	37,374	185.91	9,796	42,339
185.40	9,307	37,467	185.92	9,805	42,437
185.41	9,316	37,561	185.93	9,815	42,535
185.42	9,326	37,654	185.94	9,824	42,633
185.43	9,335	37,747	185.95	9,834	42,731
185.44	9,345	37,840	185.96	9,844	42,829
185.45	9,355	37,934	185.97	9,853	42,928
185.46	9,364	38,028	185.98	9,863	43,027
185.47	9,374	38,121	185.99	9,872	43,125
185.48	9,383	38,215	186.00	9,882	43,224
185.49	9,393	38,309			
185.50	9,403	38,403			
185.51	9,412	38,497			
185.52	9,422	38,591			
185.53	9,431	38,685			
185.54	9,441	38,780			
185.55	9,450	38,874			
185.56	9,460	38,969			
185.57	9,470	39,063			
185.58	9,479	39,158			
185.59	9,489	39,253			
185.60	9,498	39,348			
185.61	9,508	39,443			
185.62	9,518	39,538			
185.63	9,527	39,633			
185.64	9,537	39,729			
185.65	9,546	39,824			
185.66	9,556	39,920			
185.67	9,566	40,015			
185.68	9,575	40,111			
185.69	9,585	40,207			
185.70	9,594	40,303			
185.71	9,604	40,399			

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 0.50" for WQ Storm event
 Inflow = 2.87 cfs @ 1.15 hrs, Volume= 0.102 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 201.90' @ 2.60 hrs Surf.Area= 5,275 sf Storage= 4,437 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

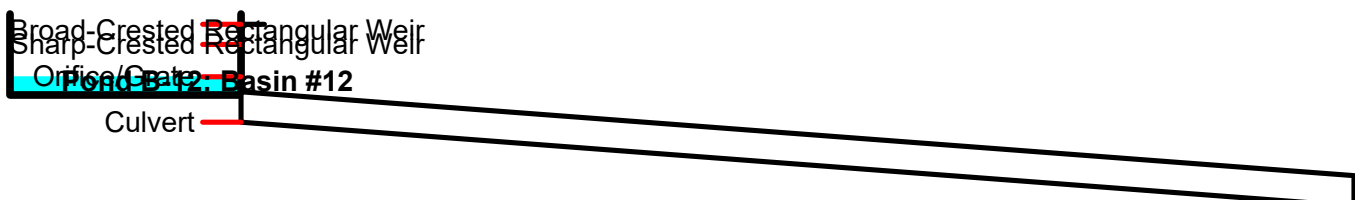
Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	24,487 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	4,623	0	0
202.00	5,350	4,987	4,987
203.00	6,105	5,728	10,714
204.00	6,883	6,494	17,208
205.00	7,674	7,279	24,487

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	18.0" Round Culvert L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.90'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.50'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	204.50'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

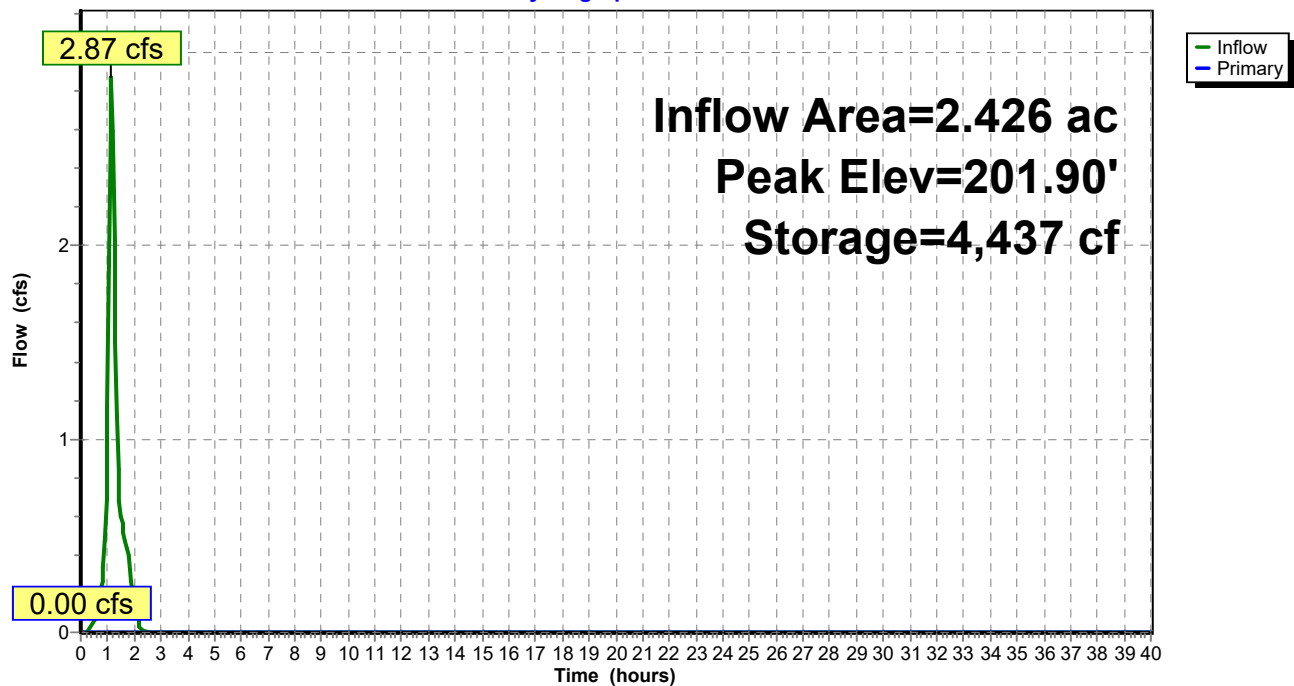
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=201.00' (Free Discharge)

- 1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
- 2=Orifice/Grate (Controls 0.00 cfs)
- 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
- 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-12: Basin #12

Hydrograph



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.01	1	201.00	0.00
0.50	0.05	9	201.00	0.00
0.60	0.11	37	201.01	0.00
0.70	0.19	92	201.02	0.00
0.80	0.26	175	201.04	0.00
0.90	0.47	301	201.06	0.00
1.00	1.15	570	201.12	0.00
1.10	2.57	1,246	201.26	0.00
1.20	2.60	2,229	201.47	0.00
1.30	1.51	2,962	201.61	0.00
1.40	0.84	3,375	201.69	0.00
1.50	0.60	3,627	201.74	0.00
1.60	0.52	3,828	201.78	0.00
1.70	0.44	3,999	201.81	0.00
1.80	0.41	4,152	201.84	0.00
1.90	0.27	4,277	201.87	0.00
2.00	0.17	4,352	201.88	0.00
2.10	0.11	4,405	201.89	0.00
2.20	0.03	4,430	201.90	0.00
2.30	0.01	4,436	201.90	0.00
2.40	0.00	4,437	201.90	0.00
2.50	0.00	4,437	201.90	0.00
2.60	0.00	4,437	201.90	0.00
2.70	0.00	4,437	201.90	0.00
2.80	0.00	4,437	201.90	0.00
2.90	0.00	4,437	201.90	0.00
3.00	0.00	4,437	201.90	0.00
3.10	0.00	4,437	201.90	0.00
3.20	0.00	4,437	201.90	0.00
3.30	0.00	4,437	201.90	0.00
3.40	0.00	4,437	201.90	0.00
3.50	0.00	4,437	201.90	0.00
3.60	0.00	4,437	201.90	0.00
3.70	0.00	4,437	201.90	0.00
3.80	0.00	4,437	201.90	0.00
3.90	0.00	4,437	201.90	0.00
4.00	0.00	4,437	201.90	0.00
4.10	0.00	4,437	201.90	0.00
4.20	0.00	4,437	201.90	0.00
4.30	0.00	4,437	201.90	0.00
4.40	0.00	4,437	201.90	0.00
4.50	0.00	4,437	201.90	0.00
4.60	0.00	4,437	201.90	0.00
4.70	0.00	4,437	201.90	0.00
4.80	0.00	4,437	201.90	0.00
4.90	0.00	4,437	201.90	0.00
5.00	0.00	4,437	201.90	0.00
5.10	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	4,437	201.90	0.00
5.30	0.00	4,437	201.90	0.00
5.40	0.00	4,437	201.90	0.00
5.50	0.00	4,437	201.90	0.00
5.60	0.00	4,437	201.90	0.00
5.70	0.00	4,437	201.90	0.00
5.80	0.00	4,437	201.90	0.00
5.90	0.00	4,437	201.90	0.00
6.00	0.00	4,437	201.90	0.00
6.10	0.00	4,437	201.90	0.00
6.20	0.00	4,437	201.90	0.00
6.30	0.00	4,437	201.90	0.00
6.40	0.00	4,437	201.90	0.00
6.50	0.00	4,437	201.90	0.00
6.60	0.00	4,437	201.90	0.00
6.70	0.00	4,437	201.90	0.00
6.80	0.00	4,437	201.90	0.00
6.90	0.00	4,437	201.90	0.00
7.00	0.00	4,437	201.90	0.00
7.10	0.00	4,437	201.90	0.00
7.20	0.00	4,437	201.90	0.00
7.30	0.00	4,437	201.90	0.00
7.40	0.00	4,437	201.90	0.00
7.50	0.00	4,437	201.90	0.00
7.60	0.00	4,437	201.90	0.00
7.70	0.00	4,437	201.90	0.00
7.80	0.00	4,437	201.90	0.00
7.90	0.00	4,437	201.90	0.00
8.00	0.00	4,437	201.90	0.00
8.10	0.00	4,437	201.90	0.00
8.20	0.00	4,437	201.90	0.00
8.30	0.00	4,437	201.90	0.00
8.40	0.00	4,437	201.90	0.00
8.50	0.00	4,437	201.90	0.00
8.60	0.00	4,437	201.90	0.00
8.70	0.00	4,437	201.90	0.00
8.80	0.00	4,437	201.90	0.00
8.90	0.00	4,437	201.90	0.00
9.00	0.00	4,437	201.90	0.00
9.10	0.00	4,437	201.90	0.00
9.20	0.00	4,437	201.90	0.00
9.30	0.00	4,437	201.90	0.00
9.40	0.00	4,437	201.90	0.00
9.50	0.00	4,437	201.90	0.00
9.60	0.00	4,437	201.90	0.00
9.70	0.00	4,437	201.90	0.00
9.80	0.00	4,437	201.90	0.00
9.90	0.00	4,437	201.90	0.00
10.00	0.00	4,437	201.90	0.00
10.10	0.00	4,437	201.90	0.00
10.20	0.00	4,437	201.90	0.00
10.30	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	4,437	201.90	0.00
10.50	0.00	4,437	201.90	0.00
10.60	0.00	4,437	201.90	0.00
10.70	0.00	4,437	201.90	0.00
10.80	0.00	4,437	201.90	0.00
10.90	0.00	4,437	201.90	0.00
11.00	0.00	4,437	201.90	0.00
11.10	0.00	4,437	201.90	0.00
11.20	0.00	4,437	201.90	0.00
11.30	0.00	4,437	201.90	0.00
11.40	0.00	4,437	201.90	0.00
11.50	0.00	4,437	201.90	0.00
11.60	0.00	4,437	201.90	0.00
11.70	0.00	4,437	201.90	0.00
11.80	0.00	4,437	201.90	0.00
11.90	0.00	4,437	201.90	0.00
12.00	0.00	4,437	201.90	0.00
12.10	0.00	4,437	201.90	0.00
12.20	0.00	4,437	201.90	0.00
12.30	0.00	4,437	201.90	0.00
12.40	0.00	4,437	201.90	0.00
12.50	0.00	4,437	201.90	0.00
12.60	0.00	4,437	201.90	0.00
12.70	0.00	4,437	201.90	0.00
12.80	0.00	4,437	201.90	0.00
12.90	0.00	4,437	201.90	0.00
13.00	0.00	4,437	201.90	0.00
13.10	0.00	4,437	201.90	0.00
13.20	0.00	4,437	201.90	0.00
13.30	0.00	4,437	201.90	0.00
13.40	0.00	4,437	201.90	0.00
13.50	0.00	4,437	201.90	0.00
13.60	0.00	4,437	201.90	0.00
13.70	0.00	4,437	201.90	0.00
13.80	0.00	4,437	201.90	0.00
13.90	0.00	4,437	201.90	0.00
14.00	0.00	4,437	201.90	0.00
14.10	0.00	4,437	201.90	0.00
14.20	0.00	4,437	201.90	0.00
14.30	0.00	4,437	201.90	0.00
14.40	0.00	4,437	201.90	0.00
14.50	0.00	4,437	201.90	0.00
14.60	0.00	4,437	201.90	0.00
14.70	0.00	4,437	201.90	0.00
14.80	0.00	4,437	201.90	0.00
14.90	0.00	4,437	201.90	0.00
15.00	0.00	4,437	201.90	0.00
15.10	0.00	4,437	201.90	0.00
15.20	0.00	4,437	201.90	0.00
15.30	0.00	4,437	201.90	0.00
15.40	0.00	4,437	201.90	0.00
15.50	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	4,437	201.90	0.00
15.70	0.00	4,437	201.90	0.00
15.80	0.00	4,437	201.90	0.00
15.90	0.00	4,437	201.90	0.00
16.00	0.00	4,437	201.90	0.00
16.10	0.00	4,437	201.90	0.00
16.20	0.00	4,437	201.90	0.00
16.30	0.00	4,437	201.90	0.00
16.40	0.00	4,437	201.90	0.00
16.50	0.00	4,437	201.90	0.00
16.60	0.00	4,437	201.90	0.00
16.70	0.00	4,437	201.90	0.00
16.80	0.00	4,437	201.90	0.00
16.90	0.00	4,437	201.90	0.00
17.00	0.00	4,437	201.90	0.00
17.10	0.00	4,437	201.90	0.00
17.20	0.00	4,437	201.90	0.00
17.30	0.00	4,437	201.90	0.00
17.40	0.00	4,437	201.90	0.00
17.50	0.00	4,437	201.90	0.00
17.60	0.00	4,437	201.90	0.00
17.70	0.00	4,437	201.90	0.00
17.80	0.00	4,437	201.90	0.00
17.90	0.00	4,437	201.90	0.00
18.00	0.00	4,437	201.90	0.00
18.10	0.00	4,437	201.90	0.00
18.20	0.00	4,437	201.90	0.00
18.30	0.00	4,437	201.90	0.00
18.40	0.00	4,437	201.90	0.00
18.50	0.00	4,437	201.90	0.00
18.60	0.00	4,437	201.90	0.00
18.70	0.00	4,437	201.90	0.00
18.80	0.00	4,437	201.90	0.00
18.90	0.00	4,437	201.90	0.00
19.00	0.00	4,437	201.90	0.00
19.10	0.00	4,437	201.90	0.00
19.20	0.00	4,437	201.90	0.00
19.30	0.00	4,437	201.90	0.00
19.40	0.00	4,437	201.90	0.00
19.50	0.00	4,437	201.90	0.00
19.60	0.00	4,437	201.90	0.00
19.70	0.00	4,437	201.90	0.00
19.80	0.00	4,437	201.90	0.00
19.90	0.00	4,437	201.90	0.00
20.00	0.00	4,437	201.90	0.00
20.10	0.00	4,437	201.90	0.00
20.20	0.00	4,437	201.90	0.00
20.30	0.00	4,437	201.90	0.00
20.40	0.00	4,437	201.90	0.00
20.50	0.00	4,437	201.90	0.00
20.60	0.00	4,437	201.90	0.00
20.70	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	4,437	201.90	0.00
20.90	0.00	4,437	201.90	0.00
21.00	0.00	4,437	201.90	0.00
21.10	0.00	4,437	201.90	0.00
21.20	0.00	4,437	201.90	0.00
21.30	0.00	4,437	201.90	0.00
21.40	0.00	4,437	201.90	0.00
21.50	0.00	4,437	201.90	0.00
21.60	0.00	4,437	201.90	0.00
21.70	0.00	4,437	201.90	0.00
21.80	0.00	4,437	201.90	0.00
21.90	0.00	4,437	201.90	0.00
22.00	0.00	4,437	201.90	0.00
22.10	0.00	4,437	201.90	0.00
22.20	0.00	4,437	201.90	0.00
22.30	0.00	4,437	201.90	0.00
22.40	0.00	4,437	201.90	0.00
22.50	0.00	4,437	201.90	0.00
22.60	0.00	4,437	201.90	0.00
22.70	0.00	4,437	201.90	0.00
22.80	0.00	4,437	201.90	0.00
22.90	0.00	4,437	201.90	0.00
23.00	0.00	4,437	201.90	0.00
23.10	0.00	4,437	201.90	0.00
23.20	0.00	4,437	201.90	0.00
23.30	0.00	4,437	201.90	0.00
23.40	0.00	4,437	201.90	0.00
23.50	0.00	4,437	201.90	0.00
23.60	0.00	4,437	201.90	0.00
23.70	0.00	4,437	201.90	0.00
23.80	0.00	4,437	201.90	0.00
23.90	0.00	4,437	201.90	0.00
24.00	0.00	4,437	201.90	0.00
24.10	0.00	4,437	201.90	0.00
24.20	0.00	4,437	201.90	0.00
24.30	0.00	4,437	201.90	0.00
24.40	0.00	4,437	201.90	0.00
24.50	0.00	4,437	201.90	0.00
24.60	0.00	4,437	201.90	0.00
24.70	0.00	4,437	201.90	0.00
24.80	0.00	4,437	201.90	0.00
24.90	0.00	4,437	201.90	0.00
25.00	0.00	4,437	201.90	0.00
25.10	0.00	4,437	201.90	0.00
25.20	0.00	4,437	201.90	0.00
25.30	0.00	4,437	201.90	0.00
25.40	0.00	4,437	201.90	0.00
25.50	0.00	4,437	201.90	0.00
25.60	0.00	4,437	201.90	0.00
25.70	0.00	4,437	201.90	0.00
25.80	0.00	4,437	201.90	0.00
25.90	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,437	201.90	0.00
26.10	0.00	4,437	201.90	0.00
26.20	0.00	4,437	201.90	0.00
26.30	0.00	4,437	201.90	0.00
26.40	0.00	4,437	201.90	0.00
26.50	0.00	4,437	201.90	0.00
26.60	0.00	4,437	201.90	0.00
26.70	0.00	4,437	201.90	0.00
26.80	0.00	4,437	201.90	0.00
26.90	0.00	4,437	201.90	0.00
27.00	0.00	4,437	201.90	0.00
27.10	0.00	4,437	201.90	0.00
27.20	0.00	4,437	201.90	0.00
27.30	0.00	4,437	201.90	0.00
27.40	0.00	4,437	201.90	0.00
27.50	0.00	4,437	201.90	0.00
27.60	0.00	4,437	201.90	0.00
27.70	0.00	4,437	201.90	0.00
27.80	0.00	4,437	201.90	0.00
27.90	0.00	4,437	201.90	0.00
28.00	0.00	4,437	201.90	0.00
28.10	0.00	4,437	201.90	0.00
28.20	0.00	4,437	201.90	0.00
28.30	0.00	4,437	201.90	0.00
28.40	0.00	4,437	201.90	0.00
28.50	0.00	4,437	201.90	0.00
28.60	0.00	4,437	201.90	0.00
28.70	0.00	4,437	201.90	0.00
28.80	0.00	4,437	201.90	0.00
28.90	0.00	4,437	201.90	0.00
29.00	0.00	4,437	201.90	0.00
29.10	0.00	4,437	201.90	0.00
29.20	0.00	4,437	201.90	0.00
29.30	0.00	4,437	201.90	0.00
29.40	0.00	4,437	201.90	0.00
29.50	0.00	4,437	201.90	0.00
29.60	0.00	4,437	201.90	0.00
29.70	0.00	4,437	201.90	0.00
29.80	0.00	4,437	201.90	0.00
29.90	0.00	4,437	201.90	0.00
30.00	0.00	4,437	201.90	0.00
30.10	0.00	4,437	201.90	0.00
30.20	0.00	4,437	201.90	0.00
30.30	0.00	4,437	201.90	0.00
30.40	0.00	4,437	201.90	0.00
30.50	0.00	4,437	201.90	0.00
30.60	0.00	4,437	201.90	0.00
30.70	0.00	4,437	201.90	0.00
30.80	0.00	4,437	201.90	0.00
30.90	0.00	4,437	201.90	0.00
31.00	0.00	4,437	201.90	0.00
31.10	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,437	201.90	0.00
31.30	0.00	4,437	201.90	0.00
31.40	0.00	4,437	201.90	0.00
31.50	0.00	4,437	201.90	0.00
31.60	0.00	4,437	201.90	0.00
31.70	0.00	4,437	201.90	0.00
31.80	0.00	4,437	201.90	0.00
31.90	0.00	4,437	201.90	0.00
32.00	0.00	4,437	201.90	0.00
32.10	0.00	4,437	201.90	0.00
32.20	0.00	4,437	201.90	0.00
32.30	0.00	4,437	201.90	0.00
32.40	0.00	4,437	201.90	0.00
32.50	0.00	4,437	201.90	0.00
32.60	0.00	4,437	201.90	0.00
32.70	0.00	4,437	201.90	0.00
32.80	0.00	4,437	201.90	0.00
32.90	0.00	4,437	201.90	0.00
33.00	0.00	4,437	201.90	0.00
33.10	0.00	4,437	201.90	0.00
33.20	0.00	4,437	201.90	0.00
33.30	0.00	4,437	201.90	0.00
33.40	0.00	4,437	201.90	0.00
33.50	0.00	4,437	201.90	0.00
33.60	0.00	4,437	201.90	0.00
33.70	0.00	4,437	201.90	0.00
33.80	0.00	4,437	201.90	0.00
33.90	0.00	4,437	201.90	0.00
34.00	0.00	4,437	201.90	0.00
34.10	0.00	4,437	201.90	0.00
34.20	0.00	4,437	201.90	0.00
34.30	0.00	4,437	201.90	0.00
34.40	0.00	4,437	201.90	0.00
34.50	0.00	4,437	201.90	0.00
34.60	0.00	4,437	201.90	0.00
34.70	0.00	4,437	201.90	0.00
34.80	0.00	4,437	201.90	0.00
34.90	0.00	4,437	201.90	0.00
35.00	0.00	4,437	201.90	0.00
35.10	0.00	4,437	201.90	0.00
35.20	0.00	4,437	201.90	0.00
35.30	0.00	4,437	201.90	0.00
35.40	0.00	4,437	201.90	0.00
35.50	0.00	4,437	201.90	0.00
35.60	0.00	4,437	201.90	0.00
35.70	0.00	4,437	201.90	0.00
35.80	0.00	4,437	201.90	0.00
35.90	0.00	4,437	201.90	0.00
36.00	0.00	4,437	201.90	0.00
36.10	0.00	4,437	201.90	0.00
36.20	0.00	4,437	201.90	0.00
36.30	0.00	4,437	201.90	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,437	201.90	0.00
36.50	0.00	4,437	201.90	0.00
36.60	0.00	4,437	201.90	0.00
36.70	0.00	4,437	201.90	0.00
36.80	0.00	4,437	201.90	0.00
36.90	0.00	4,437	201.90	0.00
37.00	0.00	4,437	201.90	0.00
37.10	0.00	4,437	201.90	0.00
37.20	0.00	4,437	201.90	0.00
37.30	0.00	4,437	201.90	0.00
37.40	0.00	4,437	201.90	0.00
37.50	0.00	4,437	201.90	0.00
37.60	0.00	4,437	201.90	0.00
37.70	0.00	4,437	201.90	0.00
37.80	0.00	4,437	201.90	0.00
37.90	0.00	4,437	201.90	0.00
38.00	0.00	4,437	201.90	0.00
38.10	0.00	4,437	201.90	0.00
38.20	0.00	4,437	201.90	0.00
38.30	0.00	4,437	201.90	0.00
38.40	0.00	4,437	201.90	0.00
38.50	0.00	4,437	201.90	0.00
38.60	0.00	4,437	201.90	0.00
38.70	0.00	4,437	201.90	0.00
38.80	0.00	4,437	201.90	0.00
38.90	0.00	4,437	201.90	0.00
39.00	0.00	4,437	201.90	0.00
39.10	0.00	4,437	201.90	0.00
39.20	0.00	4,437	201.90	0.00
39.30	0.00	4,437	201.90	0.00
39.40	0.00	4,437	201.90	0.00
39.50	0.00	4,437	201.90	0.00
39.60	0.00	4,437	201.90	0.00
39.70	0.00	4,437	201.90	0.00
39.80	0.00	4,437	201.90	0.00
39.90	0.00	4,437	201.90	0.00
40.00	0.00	4,437	201.90	0.00

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.03	202.56	0.12
201.01	0.00	201.53	0.00	202.05	0.03	202.57	0.12
201.02	0.00	201.54	0.00	202.06	0.04	202.58	0.12
201.03	0.00	201.55	0.00	202.07	0.04	202.59	0.13
201.04	0.00	201.56	0.00	202.08	0.05	202.60	0.13
201.05	0.00	201.57	0.00	202.09	0.05	202.61	0.13
201.06	0.00	201.58	0.00	202.10	0.05	202.62	0.13
201.07	0.00	201.59	0.00	202.11	0.05	202.63	0.13
201.08	0.00	201.60	0.00	202.12	0.06	202.64	0.13
201.09	0.00	201.61	0.00	202.13	0.06	202.65	0.13
201.10	0.00	201.62	0.00	202.14	0.06	202.66	0.13
201.11	0.00	201.63	0.00	202.15	0.06	202.67	0.13
201.12	0.00	201.64	0.00	202.16	0.06	202.68	0.13
201.13	0.00	201.65	0.00	202.17	0.07	202.69	0.14
201.14	0.00	201.66	0.00	202.18	0.07	202.70	0.14
201.15	0.00	201.67	0.00	202.19	0.07	202.71	0.14
201.16	0.00	201.68	0.00	202.20	0.07	202.72	0.14
201.17	0.00	201.69	0.00	202.21	0.07	202.73	0.14
201.18	0.00	201.70	0.00	202.22	0.08	202.74	0.14
201.19	0.00	201.71	0.00	202.23	0.08	202.75	0.14
201.20	0.00	201.72	0.00	202.24	0.08	202.76	0.14
201.21	0.00	201.73	0.00	202.25	0.08	202.77	0.14
201.22	0.00	201.74	0.00	202.26	0.08	202.78	0.14
201.23	0.00	201.75	0.00	202.27	0.08	202.79	0.15
201.24	0.00	201.76	0.00	202.28	0.09	202.80	0.15
201.25	0.00	201.77	0.00	202.29	0.09	202.81	0.15
201.26	0.00	201.78	0.00	202.30	0.09	202.82	0.15
201.27	0.00	201.79	0.00	202.31	0.09	202.83	0.15
201.28	0.00	201.80	0.00	202.32	0.09	202.84	0.15
201.29	0.00	201.81	0.00	202.33	0.09	202.85	0.15
201.30	0.00	201.82	0.00	202.34	0.10	202.86	0.15
201.31	0.00	201.83	0.00	202.35	0.10	202.87	0.15
201.32	0.00	201.84	0.00	202.36	0.10	202.88	0.15
201.33	0.00	201.85	0.00	202.37	0.10	202.89	0.15
201.34	0.00	201.86	0.00	202.38	0.10	202.90	0.16
201.35	0.00	201.87	0.00	202.39	0.10	202.91	0.16
201.36	0.00	201.88	0.00	202.40	0.10	202.92	0.16
201.37	0.00	201.89	0.00	202.41	0.10	202.93	0.16
201.38	0.00	201.90	0.00	202.42	0.11	202.94	0.16
201.39	0.00	201.91	0.00	202.43	0.11	202.95	0.16
201.40	0.00	201.92	0.00	202.44	0.11	202.96	0.16
201.41	0.00	201.93	0.00	202.45	0.11	202.97	0.16
201.42	0.00	201.94	0.00	202.46	0.11	202.98	0.16
201.43	0.00	201.95	0.00	202.47	0.11	202.99	0.16
201.44	0.00	201.96	0.01	202.48	0.11	203.00	0.16
201.45	0.00	201.97	0.01	202.49	0.11	203.01	0.16
201.46	0.00	201.98	0.01	202.50	0.12	203.02	0.17
201.47	0.00	201.99	0.01	202.51	0.12	203.03	0.17
201.48	0.00	202.00	0.02	202.52	0.12	203.04	0.17
201.49	0.00	202.01	0.02	202.53	0.12	203.05	0.17
201.50	0.00	202.02	0.02	202.54	0.12	203.06	0.17
201.51	0.00	202.03	0.03	202.55	0.12	203.07	0.17

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.17	203.60	0.62	204.12	6.43	204.64	21.45
203.09	0.17	203.61	0.68	204.13	6.57	204.65	22.32
203.10	0.17	203.62	0.75	204.14	6.72	204.66	23.21
203.11	0.17	203.63	0.82	204.15	6.87	204.67	24.12
203.12	0.17	203.64	0.89	204.16	7.02	204.68	25.06
203.13	0.17	203.65	0.96	204.17	7.17	204.69	26.02
203.14	0.17	203.66	1.04	204.18	7.33	204.70	26.83
203.15	0.18	203.67	1.12	204.19	7.48	204.71	27.69
203.16	0.18	203.68	1.20	204.20	7.64	204.72	28.57
203.17	0.18	203.69	1.29	204.21	7.79	204.73	29.48
203.18	0.18	203.70	1.37	204.22	7.95	204.74	30.41
203.19	0.18	203.71	1.46	204.23	8.11	204.75	31.37
203.20	0.18	203.72	1.55	204.24	8.26	204.76	32.36
203.21	0.18	203.73	1.64	204.25	8.42	204.77	33.37
203.22	0.18	203.74	1.74	204.26	8.58	204.78	34.40
203.23	0.18	203.75	1.83	204.27	8.74	204.79	35.46
203.24	0.18	203.76	1.93	204.28	8.91	204.80	36.54
203.25	0.18	203.77	2.03	204.29	9.07	204.81	37.65
203.26	0.18	203.78	2.13	204.30	9.23	204.82	38.78
203.27	0.18	203.79	2.23	204.31	9.40	204.83	39.94
203.28	0.19	203.80	2.34	204.32	9.56	204.84	41.12
203.29	0.19	203.81	2.44	204.33	9.73	204.85	42.32
203.30	0.19	203.82	2.55	204.34	9.90	204.86	43.55
203.31	0.19	203.83	2.66	204.35	10.07	204.87	44.80
203.32	0.19	203.84	2.77	204.36	10.24	204.88	46.08
203.33	0.19	203.85	2.88	204.37	10.40	204.89	47.38
203.34	0.19	203.86	3.00	204.38	10.58	204.90	48.71
203.35	0.19	203.87	3.11	204.39	10.75	204.91	50.08
203.36	0.19	203.88	3.23	204.40	10.92	204.92	51.48
203.37	0.19	203.89	3.35	204.41	11.09	204.93	52.91
203.38	0.19	203.90	3.47	204.42	11.27	204.94	54.37
203.39	0.19	203.91	3.59	204.43	11.44	204.95	55.85
203.40	0.19	203.92	3.71	204.44	11.62	204.96	57.35
203.41	0.19	203.93	3.84	204.45	11.79	204.97	58.89
203.42	0.20	203.94	3.96	204.46	11.97	204.98	60.45
203.43	0.20	203.95	4.09	204.47	12.15	204.99	62.03
203.44	0.20	203.96	4.22	204.48	12.33	205.00	63.65
203.45	0.20	203.97	4.35	204.49	12.51		
203.46	0.20	203.98	4.48	204.50	12.69		
203.47	0.20	203.99	4.61	204.51	12.98		
203.48	0.20	204.00	4.74	204.52	13.38		
203.49	0.20	204.01	4.87	204.53	13.84		
203.50	0.20	204.02	5.01	204.54	14.35		
203.51	0.21	204.03	5.15	204.55	14.91		
203.52	0.24	204.04	5.28	204.56	15.51		
203.53	0.27	204.05	5.42	204.57	16.14		
203.54	0.31	204.06	5.56	204.58	16.81		
203.55	0.35	204.07	5.70	204.59	17.51		
203.56	0.40	204.08	5.85	204.60	18.24		
203.57	0.45	204.09	5.99	204.61	19.00		
203.58	0.50	204.10	6.13	204.62	19.79		
203.59	0.56	204.11	6.28	204.63	20.61		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	4,623	0	201.52	5,001	2,502
201.01	4,630	46	201.53	5,008	2,552
201.02	4,638	93	201.54	5,016	2,602
201.03	4,645	139	201.55	5,023	2,653
201.04	4,652	186	201.56	5,030	2,703
201.05	4,659	232	201.57	5,037	2,753
201.06	4,667	279	201.58	5,045	2,804
201.07	4,674	325	201.59	5,052	2,854
201.08	4,681	372	201.60	5,059	2,905
201.09	4,688	419	201.61	5,066	2,955
201.10	4,696	466	201.62	5,074	3,006
201.11	4,703	513	201.63	5,081	3,057
201.12	4,710	560	201.64	5,088	3,108
201.13	4,718	607	201.65	5,096	3,159
201.14	4,725	654	201.66	5,103	3,210
201.15	4,732	702	201.67	5,110	3,261
201.16	4,739	749	201.68	5,117	3,312
201.17	4,747	796	201.69	5,125	3,363
201.18	4,754	844	201.70	5,132	3,414
201.19	4,761	891	201.71	5,139	3,466
201.20	4,768	939	201.72	5,146	3,517
201.21	4,776	987	201.73	5,154	3,568
201.22	4,783	1,035	201.74	5,161	3,620
201.23	4,790	1,083	201.75	5,168	3,672
201.24	4,797	1,130	201.76	5,176	3,723
201.25	4,805	1,178	201.77	5,183	3,775
201.26	4,812	1,227	201.78	5,190	3,827
201.27	4,819	1,275	201.79	5,197	3,879
201.28	4,827	1,323	201.80	5,205	3,931
201.29	4,834	1,371	201.81	5,212	3,983
201.30	4,841	1,420	201.82	5,219	4,035
201.31	4,848	1,468	201.83	5,226	4,088
201.32	4,856	1,517	201.84	5,234	4,140
201.33	4,863	1,565	201.85	5,241	4,192
201.34	4,870	1,614	201.86	5,248	4,245
201.35	4,877	1,663	201.87	5,255	4,297
201.36	4,885	1,711	201.88	5,263	4,350
201.37	4,892	1,760	201.89	5,270	4,402
201.38	4,899	1,809	201.90	5,277	4,455
201.39	4,907	1,858	201.91	5,285	4,508
201.40	4,914	1,907	201.92	5,292	4,561
201.41	4,921	1,957	201.93	5,299	4,614
201.42	4,928	2,006	201.94	5,306	4,667
201.43	4,936	2,055	201.95	5,314	4,720
201.44	4,943	2,104	201.96	5,321	4,773
201.45	4,950	2,154	201.97	5,328	4,826
201.46	4,957	2,203	201.98	5,335	4,880
201.47	4,965	2,253	201.99	5,343	4,933
201.48	4,972	2,303	202.00	5,350	4,987
201.49	4,979	2,353	202.01	5,358	5,040
201.50	4,987	2,402	202.02	5,365	5,094
201.51	4,994	2,452	202.03	5,373	5,147

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,380	5,201	202.56	5,773	8,101
202.05	5,388	5,255	202.57	5,780	8,159
202.06	5,395	5,309	202.58	5,788	8,216
202.07	5,403	5,363	202.59	5,795	8,274
202.08	5,410	5,417	202.60	5,803	8,332
202.09	5,418	5,471	202.61	5,811	8,390
202.10	5,425	5,525	202.62	5,818	8,449
202.11	5,433	5,580	202.63	5,826	8,507
202.12	5,441	5,634	202.64	5,833	8,565
202.13	5,448	5,688	202.65	5,841	8,623
202.14	5,456	5,743	202.66	5,848	8,682
202.15	5,463	5,797	202.67	5,856	8,740
202.16	5,471	5,852	202.68	5,863	8,799
202.17	5,478	5,907	202.69	5,871	8,858
202.18	5,486	5,962	202.70	5,878	8,916
202.19	5,493	6,017	202.71	5,886	8,975
202.20	5,501	6,072	202.72	5,894	9,034
202.21	5,509	6,127	202.73	5,901	9,093
202.22	5,516	6,182	202.74	5,909	9,152
202.23	5,524	6,237	202.75	5,916	9,211
202.24	5,531	6,292	202.76	5,924	9,271
202.25	5,539	6,348	202.77	5,931	9,330
202.26	5,546	6,403	202.78	5,939	9,389
202.27	5,554	6,459	202.79	5,946	9,449
202.28	5,561	6,514	202.80	5,954	9,508
202.29	5,569	6,570	202.81	5,962	9,568
202.30	5,577	6,625	202.82	5,969	9,627
202.31	5,584	6,681	202.83	5,977	9,687
202.32	5,592	6,737	202.84	5,984	9,747
202.33	5,599	6,793	202.85	5,992	9,807
202.34	5,607	6,849	202.86	5,999	9,867
202.35	5,614	6,905	202.87	6,007	9,927
202.36	5,622	6,961	202.88	6,014	9,987
202.37	5,629	7,018	202.89	6,022	10,047
202.38	5,637	7,074	202.90	6,030	10,107
202.39	5,644	7,130	202.91	6,037	10,168
202.40	5,652	7,187	202.92	6,045	10,228
202.41	5,660	7,243	202.93	6,052	10,288
202.42	5,667	7,300	202.94	6,060	10,349
202.43	5,675	7,357	202.95	6,067	10,410
202.44	5,682	7,414	202.96	6,075	10,470
202.45	5,690	7,470	202.97	6,082	10,531
202.46	5,697	7,527	202.98	6,090	10,592
202.47	5,705	7,584	202.99	6,097	10,653
202.48	5,712	7,641	203.00	6,105	10,714
202.49	5,720	7,699	203.01	6,113	10,775
202.50	5,728	7,756	203.02	6,121	10,836
202.51	5,735	7,813	203.03	6,128	10,898
202.52	5,743	7,871	203.04	6,136	10,959
202.53	5,750	7,928	203.05	6,144	11,020
202.54	5,758	7,986	203.06	6,152	11,082
202.55	5,765	8,043	203.07	6,159	11,143

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	6,167	11,205	203.60	6,572	14,517
203.09	6,175	11,267	203.61	6,580	14,583
203.10	6,183	11,328	203.62	6,587	14,649
203.11	6,191	11,390	203.63	6,595	14,715
203.12	6,198	11,452	203.64	6,603	14,781
203.13	6,206	11,514	203.65	6,611	14,847
203.14	6,214	11,576	203.66	6,618	14,913
203.15	6,222	11,639	203.67	6,626	14,979
203.16	6,229	11,701	203.68	6,634	15,045
203.17	6,237	11,763	203.69	6,642	15,112
203.18	6,245	11,826	203.70	6,650	15,178
203.19	6,253	11,888	203.71	6,657	15,245
203.20	6,261	11,951	203.72	6,665	15,311
203.21	6,268	12,013	203.73	6,673	15,378
203.22	6,276	12,076	203.74	6,681	15,445
203.23	6,284	12,139	203.75	6,689	15,512
203.24	6,292	12,202	203.76	6,696	15,578
203.25	6,300	12,265	203.77	6,704	15,645
203.26	6,307	12,328	203.78	6,712	15,713
203.27	6,315	12,391	203.79	6,720	15,780
203.28	6,323	12,454	203.80	6,727	15,847
203.29	6,331	12,517	203.81	6,735	15,914
203.30	6,338	12,581	203.82	6,743	15,982
203.31	6,346	12,644	203.83	6,751	16,049
203.32	6,354	12,707	203.84	6,759	16,117
203.33	6,362	12,771	203.85	6,766	16,184
203.34	6,370	12,835	203.86	6,774	16,252
203.35	6,377	12,898	203.87	6,782	16,320
203.36	6,385	12,962	203.88	6,790	16,388
203.37	6,393	13,026	203.89	6,797	16,456
203.38	6,401	13,090	203.90	6,805	16,524
203.39	6,408	13,154	203.91	6,813	16,592
203.40	6,416	13,218	203.92	6,821	16,660
203.41	6,424	13,282	203.93	6,829	16,728
203.42	6,432	13,347	203.94	6,836	16,796
203.43	6,440	13,411	203.95	6,844	16,865
203.44	6,447	13,476	203.96	6,852	16,933
203.45	6,455	13,540	203.97	6,860	17,002
203.46	6,463	13,605	203.98	6,867	17,070
203.47	6,471	13,669	203.99	6,875	17,139
203.48	6,478	13,734	204.00	6,883	17,208
203.49	6,486	13,799	204.01	6,891	17,277
203.50	6,494	13,864	204.02	6,899	17,346
203.51	6,502	13,929	204.03	6,907	17,415
203.52	6,510	13,994	204.04	6,915	17,484
203.53	6,517	14,059	204.05	6,923	17,553
203.54	6,525	14,124	204.06	6,930	17,622
203.55	6,533	14,189	204.07	6,938	17,692
203.56	6,541	14,255	204.08	6,946	17,761
203.57	6,548	14,320	204.09	6,954	17,831
203.58	6,556	14,386	204.10	6,962	17,900
203.59	6,564	14,451	204.11	6,970	17,970

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	6,978	18,040	204.64	7,389	21,775
204.13	6,986	18,109	204.65	7,397	21,849
204.14	6,994	18,179	204.66	7,405	21,923
204.15	7,002	18,249	204.67	7,413	21,997
204.16	7,010	18,319	204.68	7,421	22,071
204.17	7,017	18,390	204.69	7,429	22,146
204.18	7,025	18,460	204.70	7,437	22,220
204.19	7,033	18,530	204.71	7,445	22,294
204.20	7,041	18,600	204.72	7,453	22,369
204.21	7,049	18,671	204.73	7,460	22,443
204.22	7,057	18,741	204.74	7,468	22,518
204.23	7,065	18,812	204.75	7,476	22,593
204.24	7,073	18,883	204.76	7,484	22,668
204.25	7,081	18,953	204.77	7,492	22,742
204.26	7,089	19,024	204.78	7,500	22,817
204.27	7,097	19,095	204.79	7,508	22,892
204.28	7,104	19,166	204.80	7,516	22,968
204.29	7,112	19,237	204.81	7,524	23,043
204.30	7,120	19,308	204.82	7,532	23,118
204.31	7,128	19,380	204.83	7,540	23,193
204.32	7,136	19,451	204.84	7,547	23,269
204.33	7,144	19,522	204.85	7,555	23,344
204.34	7,152	19,594	204.86	7,563	23,420
204.35	7,160	19,665	204.87	7,571	23,496
204.36	7,168	19,737	204.88	7,579	23,571
204.37	7,176	19,809	204.89	7,587	23,647
204.38	7,184	19,881	204.90	7,595	23,723
204.39	7,191	19,953	204.91	7,603	23,799
204.40	7,199	20,024	204.92	7,611	23,875
204.41	7,207	20,097	204.93	7,619	23,951
204.42	7,215	20,169	204.94	7,627	24,027
204.43	7,223	20,241	204.95	7,634	24,104
204.44	7,231	20,313	204.96	7,642	24,180
204.45	7,239	20,385	204.97	7,650	24,257
204.46	7,247	20,458	204.98	7,658	24,333
204.47	7,255	20,530	204.99	7,666	24,410
204.48	7,263	20,603	205.00	7,674	24,487
204.49	7,271	20,676			
204.50	7,279	20,748			
204.51	7,286	20,821			
204.52	7,294	20,894			
204.53	7,302	20,967			
204.54	7,310	21,040			
204.55	7,318	21,113			
204.56	7,326	21,187			
204.57	7,334	21,260			
204.58	7,342	21,333			
204.59	7,350	21,407			
204.60	7,358	21,480			
204.61	7,366	21,554			
204.62	7,373	21,627			
204.63	7,381	21,701			

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 0.67" for WQ Storm event
 Inflow = 3.83 cfs @ 1.15 hrs, Volume= 0.132 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 192.70' @ 2.60 hrs Surf.Area= 8,551 sf Storage= 5,746 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

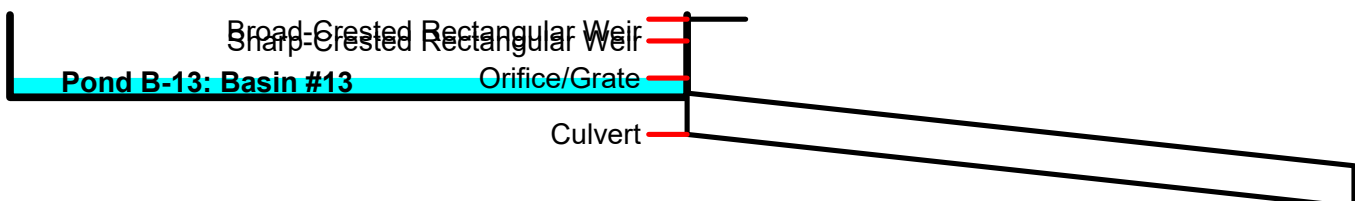
Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	27,707 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	7,975	0	0
193.00	8,804	8,390	8,390
194.00	9,654	9,229	17,619
195.00	10,522	10,088	27,707

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	18.0" Round Culvert L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.70'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.05'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	194.85'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

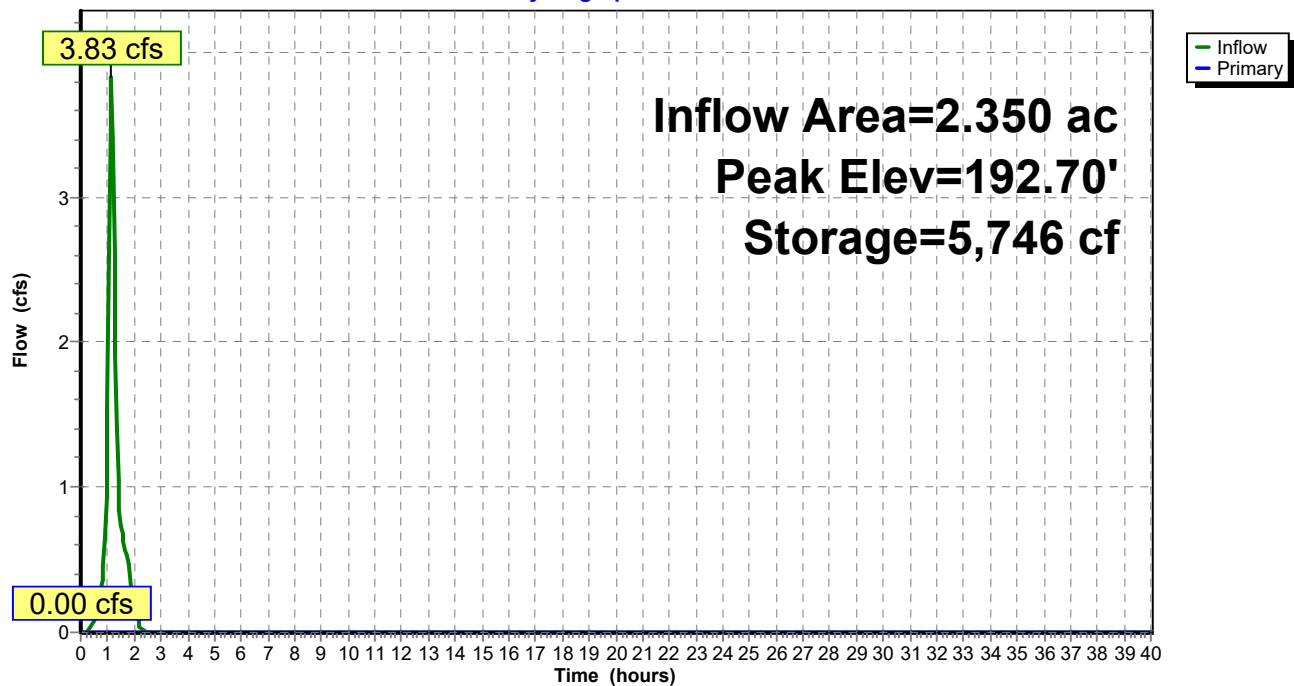
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=192.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-13: Basin #13

Hydrograph



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.01	1	192.00	0.00
0.50	0.06	12	192.00	0.00
0.60	0.15	50	192.01	0.00
0.70	0.26	125	192.02	0.00
0.80	0.36	236	192.03	0.00
0.90	0.63	406	192.05	0.00
1.00	1.55	770	192.10	0.00
1.10	3.46	1,683	192.21	0.00
1.20	3.41	2,990	192.37	0.00
1.30	1.92	3,939	192.48	0.00
1.40	1.05	4,460	192.54	0.00
1.50	0.74	4,772	192.58	0.00
1.60	0.63	5,017	192.61	0.00
1.70	0.53	5,222	192.63	0.00
1.80	0.49	5,406	192.66	0.00
1.90	0.32	5,555	192.67	0.00
2.00	0.20	5,645	192.68	0.00
2.10	0.14	5,707	192.69	0.00
2.20	0.04	5,737	192.69	0.00
2.30	0.01	5,744	192.70	0.00
2.40	0.00	5,745	192.70	0.00
2.50	0.00	5,746	192.70	0.00
2.60	0.00	5,746	192.70	0.00
2.70	0.00	5,746	192.70	0.00
2.80	0.00	5,746	192.70	0.00
2.90	0.00	5,746	192.70	0.00
3.00	0.00	5,746	192.70	0.00
3.10	0.00	5,746	192.70	0.00
3.20	0.00	5,746	192.70	0.00
3.30	0.00	5,746	192.70	0.00
3.40	0.00	5,746	192.70	0.00
3.50	0.00	5,746	192.70	0.00
3.60	0.00	5,746	192.70	0.00
3.70	0.00	5,746	192.70	0.00
3.80	0.00	5,746	192.70	0.00
3.90	0.00	5,746	192.70	0.00
4.00	0.00	5,746	192.70	0.00
4.10	0.00	5,746	192.70	0.00
4.20	0.00	5,746	192.70	0.00
4.30	0.00	5,746	192.70	0.00
4.40	0.00	5,746	192.70	0.00
4.50	0.00	5,746	192.70	0.00
4.60	0.00	5,746	192.70	0.00
4.70	0.00	5,746	192.70	0.00
4.80	0.00	5,746	192.70	0.00
4.90	0.00	5,746	192.70	0.00
5.00	0.00	5,746	192.70	0.00
5.10	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,746	192.70	0.00
5.30	0.00	5,746	192.70	0.00
5.40	0.00	5,746	192.70	0.00
5.50	0.00	5,746	192.70	0.00
5.60	0.00	5,746	192.70	0.00
5.70	0.00	5,746	192.70	0.00
5.80	0.00	5,746	192.70	0.00
5.90	0.00	5,746	192.70	0.00
6.00	0.00	5,746	192.70	0.00
6.10	0.00	5,746	192.70	0.00
6.20	0.00	5,746	192.70	0.00
6.30	0.00	5,746	192.70	0.00
6.40	0.00	5,746	192.70	0.00
6.50	0.00	5,746	192.70	0.00
6.60	0.00	5,746	192.70	0.00
6.70	0.00	5,746	192.70	0.00
6.80	0.00	5,746	192.70	0.00
6.90	0.00	5,746	192.70	0.00
7.00	0.00	5,746	192.70	0.00
7.10	0.00	5,746	192.70	0.00
7.20	0.00	5,746	192.70	0.00
7.30	0.00	5,746	192.70	0.00
7.40	0.00	5,746	192.70	0.00
7.50	0.00	5,746	192.70	0.00
7.60	0.00	5,746	192.70	0.00
7.70	0.00	5,746	192.70	0.00
7.80	0.00	5,746	192.70	0.00
7.90	0.00	5,746	192.70	0.00
8.00	0.00	5,746	192.70	0.00
8.10	0.00	5,746	192.70	0.00
8.20	0.00	5,746	192.70	0.00
8.30	0.00	5,746	192.70	0.00
8.40	0.00	5,746	192.70	0.00
8.50	0.00	5,746	192.70	0.00
8.60	0.00	5,746	192.70	0.00
8.70	0.00	5,746	192.70	0.00
8.80	0.00	5,746	192.70	0.00
8.90	0.00	5,746	192.70	0.00
9.00	0.00	5,746	192.70	0.00
9.10	0.00	5,746	192.70	0.00
9.20	0.00	5,746	192.70	0.00
9.30	0.00	5,746	192.70	0.00
9.40	0.00	5,746	192.70	0.00
9.50	0.00	5,746	192.70	0.00
9.60	0.00	5,746	192.70	0.00
9.70	0.00	5,746	192.70	0.00
9.80	0.00	5,746	192.70	0.00
9.90	0.00	5,746	192.70	0.00
10.00	0.00	5,746	192.70	0.00
10.10	0.00	5,746	192.70	0.00
10.20	0.00	5,746	192.70	0.00
10.30	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,746	192.70	0.00
10.50	0.00	5,746	192.70	0.00
10.60	0.00	5,746	192.70	0.00
10.70	0.00	5,746	192.70	0.00
10.80	0.00	5,746	192.70	0.00
10.90	0.00	5,746	192.70	0.00
11.00	0.00	5,746	192.70	0.00
11.10	0.00	5,746	192.70	0.00
11.20	0.00	5,746	192.70	0.00
11.30	0.00	5,746	192.70	0.00
11.40	0.00	5,746	192.70	0.00
11.50	0.00	5,746	192.70	0.00
11.60	0.00	5,746	192.70	0.00
11.70	0.00	5,746	192.70	0.00
11.80	0.00	5,746	192.70	0.00
11.90	0.00	5,746	192.70	0.00
12.00	0.00	5,746	192.70	0.00
12.10	0.00	5,746	192.70	0.00
12.20	0.00	5,746	192.70	0.00
12.30	0.00	5,746	192.70	0.00
12.40	0.00	5,746	192.70	0.00
12.50	0.00	5,746	192.70	0.00
12.60	0.00	5,746	192.70	0.00
12.70	0.00	5,746	192.70	0.00
12.80	0.00	5,746	192.70	0.00
12.90	0.00	5,746	192.70	0.00
13.00	0.00	5,746	192.70	0.00
13.10	0.00	5,746	192.70	0.00
13.20	0.00	5,746	192.70	0.00
13.30	0.00	5,746	192.70	0.00
13.40	0.00	5,746	192.70	0.00
13.50	0.00	5,746	192.70	0.00
13.60	0.00	5,746	192.70	0.00
13.70	0.00	5,746	192.70	0.00
13.80	0.00	5,746	192.70	0.00
13.90	0.00	5,746	192.70	0.00
14.00	0.00	5,746	192.70	0.00
14.10	0.00	5,746	192.70	0.00
14.20	0.00	5,746	192.70	0.00
14.30	0.00	5,746	192.70	0.00
14.40	0.00	5,746	192.70	0.00
14.50	0.00	5,746	192.70	0.00
14.60	0.00	5,746	192.70	0.00
14.70	0.00	5,746	192.70	0.00
14.80	0.00	5,746	192.70	0.00
14.90	0.00	5,746	192.70	0.00
15.00	0.00	5,746	192.70	0.00
15.10	0.00	5,746	192.70	0.00
15.20	0.00	5,746	192.70	0.00
15.30	0.00	5,746	192.70	0.00
15.40	0.00	5,746	192.70	0.00
15.50	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,746	192.70	0.00
15.70	0.00	5,746	192.70	0.00
15.80	0.00	5,746	192.70	0.00
15.90	0.00	5,746	192.70	0.00
16.00	0.00	5,746	192.70	0.00
16.10	0.00	5,746	192.70	0.00
16.20	0.00	5,746	192.70	0.00
16.30	0.00	5,746	192.70	0.00
16.40	0.00	5,746	192.70	0.00
16.50	0.00	5,746	192.70	0.00
16.60	0.00	5,746	192.70	0.00
16.70	0.00	5,746	192.70	0.00
16.80	0.00	5,746	192.70	0.00
16.90	0.00	5,746	192.70	0.00
17.00	0.00	5,746	192.70	0.00
17.10	0.00	5,746	192.70	0.00
17.20	0.00	5,746	192.70	0.00
17.30	0.00	5,746	192.70	0.00
17.40	0.00	5,746	192.70	0.00
17.50	0.00	5,746	192.70	0.00
17.60	0.00	5,746	192.70	0.00
17.70	0.00	5,746	192.70	0.00
17.80	0.00	5,746	192.70	0.00
17.90	0.00	5,746	192.70	0.00
18.00	0.00	5,746	192.70	0.00
18.10	0.00	5,746	192.70	0.00
18.20	0.00	5,746	192.70	0.00
18.30	0.00	5,746	192.70	0.00
18.40	0.00	5,746	192.70	0.00
18.50	0.00	5,746	192.70	0.00
18.60	0.00	5,746	192.70	0.00
18.70	0.00	5,746	192.70	0.00
18.80	0.00	5,746	192.70	0.00
18.90	0.00	5,746	192.70	0.00
19.00	0.00	5,746	192.70	0.00
19.10	0.00	5,746	192.70	0.00
19.20	0.00	5,746	192.70	0.00
19.30	0.00	5,746	192.70	0.00
19.40	0.00	5,746	192.70	0.00
19.50	0.00	5,746	192.70	0.00
19.60	0.00	5,746	192.70	0.00
19.70	0.00	5,746	192.70	0.00
19.80	0.00	5,746	192.70	0.00
19.90	0.00	5,746	192.70	0.00
20.00	0.00	5,746	192.70	0.00
20.10	0.00	5,746	192.70	0.00
20.20	0.00	5,746	192.70	0.00
20.30	0.00	5,746	192.70	0.00
20.40	0.00	5,746	192.70	0.00
20.50	0.00	5,746	192.70	0.00
20.60	0.00	5,746	192.70	0.00
20.70	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,746	192.70	0.00
20.90	0.00	5,746	192.70	0.00
21.00	0.00	5,746	192.70	0.00
21.10	0.00	5,746	192.70	0.00
21.20	0.00	5,746	192.70	0.00
21.30	0.00	5,746	192.70	0.00
21.40	0.00	5,746	192.70	0.00
21.50	0.00	5,746	192.70	0.00
21.60	0.00	5,746	192.70	0.00
21.70	0.00	5,746	192.70	0.00
21.80	0.00	5,746	192.70	0.00
21.90	0.00	5,746	192.70	0.00
22.00	0.00	5,746	192.70	0.00
22.10	0.00	5,746	192.70	0.00
22.20	0.00	5,746	192.70	0.00
22.30	0.00	5,746	192.70	0.00
22.40	0.00	5,746	192.70	0.00
22.50	0.00	5,746	192.70	0.00
22.60	0.00	5,746	192.70	0.00
22.70	0.00	5,746	192.70	0.00
22.80	0.00	5,746	192.70	0.00
22.90	0.00	5,746	192.70	0.00
23.00	0.00	5,746	192.70	0.00
23.10	0.00	5,746	192.70	0.00
23.20	0.00	5,746	192.70	0.00
23.30	0.00	5,746	192.70	0.00
23.40	0.00	5,746	192.70	0.00
23.50	0.00	5,746	192.70	0.00
23.60	0.00	5,746	192.70	0.00
23.70	0.00	5,746	192.70	0.00
23.80	0.00	5,746	192.70	0.00
23.90	0.00	5,746	192.70	0.00
24.00	0.00	5,746	192.70	0.00
24.10	0.00	5,746	192.70	0.00
24.20	0.00	5,746	192.70	0.00
24.30	0.00	5,746	192.70	0.00
24.40	0.00	5,746	192.70	0.00
24.50	0.00	5,746	192.70	0.00
24.60	0.00	5,746	192.70	0.00
24.70	0.00	5,746	192.70	0.00
24.80	0.00	5,746	192.70	0.00
24.90	0.00	5,746	192.70	0.00
25.00	0.00	5,746	192.70	0.00
25.10	0.00	5,746	192.70	0.00
25.20	0.00	5,746	192.70	0.00
25.30	0.00	5,746	192.70	0.00
25.40	0.00	5,746	192.70	0.00
25.50	0.00	5,746	192.70	0.00
25.60	0.00	5,746	192.70	0.00
25.70	0.00	5,746	192.70	0.00
25.80	0.00	5,746	192.70	0.00
25.90	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,746	192.70	0.00
26.10	0.00	5,746	192.70	0.00
26.20	0.00	5,746	192.70	0.00
26.30	0.00	5,746	192.70	0.00
26.40	0.00	5,746	192.70	0.00
26.50	0.00	5,746	192.70	0.00
26.60	0.00	5,746	192.70	0.00
26.70	0.00	5,746	192.70	0.00
26.80	0.00	5,746	192.70	0.00
26.90	0.00	5,746	192.70	0.00
27.00	0.00	5,746	192.70	0.00
27.10	0.00	5,746	192.70	0.00
27.20	0.00	5,746	192.70	0.00
27.30	0.00	5,746	192.70	0.00
27.40	0.00	5,746	192.70	0.00
27.50	0.00	5,746	192.70	0.00
27.60	0.00	5,746	192.70	0.00
27.70	0.00	5,746	192.70	0.00
27.80	0.00	5,746	192.70	0.00
27.90	0.00	5,746	192.70	0.00
28.00	0.00	5,746	192.70	0.00
28.10	0.00	5,746	192.70	0.00
28.20	0.00	5,746	192.70	0.00
28.30	0.00	5,746	192.70	0.00
28.40	0.00	5,746	192.70	0.00
28.50	0.00	5,746	192.70	0.00
28.60	0.00	5,746	192.70	0.00
28.70	0.00	5,746	192.70	0.00
28.80	0.00	5,746	192.70	0.00
28.90	0.00	5,746	192.70	0.00
29.00	0.00	5,746	192.70	0.00
29.10	0.00	5,746	192.70	0.00
29.20	0.00	5,746	192.70	0.00
29.30	0.00	5,746	192.70	0.00
29.40	0.00	5,746	192.70	0.00
29.50	0.00	5,746	192.70	0.00
29.60	0.00	5,746	192.70	0.00
29.70	0.00	5,746	192.70	0.00
29.80	0.00	5,746	192.70	0.00
29.90	0.00	5,746	192.70	0.00
30.00	0.00	5,746	192.70	0.00
30.10	0.00	5,746	192.70	0.00
30.20	0.00	5,746	192.70	0.00
30.30	0.00	5,746	192.70	0.00
30.40	0.00	5,746	192.70	0.00
30.50	0.00	5,746	192.70	0.00
30.60	0.00	5,746	192.70	0.00
30.70	0.00	5,746	192.70	0.00
30.80	0.00	5,746	192.70	0.00
30.90	0.00	5,746	192.70	0.00
31.00	0.00	5,746	192.70	0.00
31.10	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,746	192.70	0.00
31.30	0.00	5,746	192.70	0.00
31.40	0.00	5,746	192.70	0.00
31.50	0.00	5,746	192.70	0.00
31.60	0.00	5,746	192.70	0.00
31.70	0.00	5,746	192.70	0.00
31.80	0.00	5,746	192.70	0.00
31.90	0.00	5,746	192.70	0.00
32.00	0.00	5,746	192.70	0.00
32.10	0.00	5,746	192.70	0.00
32.20	0.00	5,746	192.70	0.00
32.30	0.00	5,746	192.70	0.00
32.40	0.00	5,746	192.70	0.00
32.50	0.00	5,746	192.70	0.00
32.60	0.00	5,746	192.70	0.00
32.70	0.00	5,746	192.70	0.00
32.80	0.00	5,746	192.70	0.00
32.90	0.00	5,746	192.70	0.00
33.00	0.00	5,746	192.70	0.00
33.10	0.00	5,746	192.70	0.00
33.20	0.00	5,746	192.70	0.00
33.30	0.00	5,746	192.70	0.00
33.40	0.00	5,746	192.70	0.00
33.50	0.00	5,746	192.70	0.00
33.60	0.00	5,746	192.70	0.00
33.70	0.00	5,746	192.70	0.00
33.80	0.00	5,746	192.70	0.00
33.90	0.00	5,746	192.70	0.00
34.00	0.00	5,746	192.70	0.00
34.10	0.00	5,746	192.70	0.00
34.20	0.00	5,746	192.70	0.00
34.30	0.00	5,746	192.70	0.00
34.40	0.00	5,746	192.70	0.00
34.50	0.00	5,746	192.70	0.00
34.60	0.00	5,746	192.70	0.00
34.70	0.00	5,746	192.70	0.00
34.80	0.00	5,746	192.70	0.00
34.90	0.00	5,746	192.70	0.00
35.00	0.00	5,746	192.70	0.00
35.10	0.00	5,746	192.70	0.00
35.20	0.00	5,746	192.70	0.00
35.30	0.00	5,746	192.70	0.00
35.40	0.00	5,746	192.70	0.00
35.50	0.00	5,746	192.70	0.00
35.60	0.00	5,746	192.70	0.00
35.70	0.00	5,746	192.70	0.00
35.80	0.00	5,746	192.70	0.00
35.90	0.00	5,746	192.70	0.00
36.00	0.00	5,746	192.70	0.00
36.10	0.00	5,746	192.70	0.00
36.20	0.00	5,746	192.70	0.00
36.30	0.00	5,746	192.70	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,746	192.70	0.00
36.50	0.00	5,746	192.70	0.00
36.60	0.00	5,746	192.70	0.00
36.70	0.00	5,746	192.70	0.00
36.80	0.00	5,746	192.70	0.00
36.90	0.00	5,746	192.70	0.00
37.00	0.00	5,746	192.70	0.00
37.10	0.00	5,746	192.70	0.00
37.20	0.00	5,746	192.70	0.00
37.30	0.00	5,746	192.70	0.00
37.40	0.00	5,746	192.70	0.00
37.50	0.00	5,746	192.70	0.00
37.60	0.00	5,746	192.70	0.00
37.70	0.00	5,746	192.70	0.00
37.80	0.00	5,746	192.70	0.00
37.90	0.00	5,746	192.70	0.00
38.00	0.00	5,746	192.70	0.00
38.10	0.00	5,746	192.70	0.00
38.20	0.00	5,746	192.70	0.00
38.30	0.00	5,746	192.70	0.00
38.40	0.00	5,746	192.70	0.00
38.50	0.00	5,746	192.70	0.00
38.60	0.00	5,746	192.70	0.00
38.70	0.00	5,746	192.70	0.00
38.80	0.00	5,746	192.70	0.00
38.90	0.00	5,746	192.70	0.00
39.00	0.00	5,746	192.70	0.00
39.10	0.00	5,746	192.70	0.00
39.20	0.00	5,746	192.70	0.00
39.30	0.00	5,746	192.70	0.00
39.40	0.00	5,746	192.70	0.00
39.50	0.00	5,746	192.70	0.00
39.60	0.00	5,746	192.70	0.00
39.70	0.00	5,746	192.70	0.00
39.80	0.00	5,746	192.70	0.00
39.90	0.00	5,746	192.70	0.00
40.00	0.00	5,746	192.70	0.00

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.08	193.56	0.14
192.01	0.00	192.53	0.00	193.05	0.08	193.57	0.14
192.02	0.00	192.54	0.00	193.06	0.08	193.58	0.14
192.03	0.00	192.55	0.00	193.07	0.08	193.59	0.15
192.04	0.00	192.56	0.00	193.08	0.09	193.60	0.15
192.05	0.00	192.57	0.00	193.09	0.09	193.61	0.15
192.06	0.00	192.58	0.00	193.10	0.09	193.62	0.15
192.07	0.00	192.59	0.00	193.11	0.09	193.63	0.15
192.08	0.00	192.60	0.00	193.12	0.09	193.64	0.15
192.09	0.00	192.61	0.00	193.13	0.09	193.65	0.15
192.10	0.00	192.62	0.00	193.14	0.10	193.66	0.15
192.11	0.00	192.63	0.00	193.15	0.10	193.67	0.15
192.12	0.00	192.64	0.00	193.16	0.10	193.68	0.15
192.13	0.00	192.65	0.00	193.17	0.10	193.69	0.15
192.14	0.00	192.66	0.00	193.18	0.10	193.70	0.16
192.15	0.00	192.67	0.00	193.19	0.10	193.71	0.16
192.16	0.00	192.68	0.00	193.20	0.10	193.72	0.16
192.17	0.00	192.69	0.00	193.21	0.10	193.73	0.16
192.18	0.00	192.70	0.00	193.22	0.11	193.74	0.16
192.19	0.00	192.71	0.00	193.23	0.11	193.75	0.16
192.20	0.00	192.72	0.00	193.24	0.11	193.76	0.16
192.21	0.00	192.73	0.00	193.25	0.11	193.77	0.16
192.22	0.00	192.74	0.00	193.26	0.11	193.78	0.16
192.23	0.00	192.75	0.00	193.27	0.11	193.79	0.16
192.24	0.00	192.76	0.01	193.28	0.11	193.80	0.16
192.25	0.00	192.77	0.01	193.29	0.11	193.81	0.16
192.26	0.00	192.78	0.01	193.30	0.12	193.82	0.17
192.27	0.00	192.79	0.01	193.31	0.12	193.83	0.17
192.28	0.00	192.80	0.02	193.32	0.12	193.84	0.17
192.29	0.00	192.81	0.02	193.33	0.12	193.85	0.17
192.30	0.00	192.82	0.02	193.34	0.12	193.86	0.17
192.31	0.00	192.83	0.03	193.35	0.12	193.87	0.17
192.32	0.00	192.84	0.03	193.36	0.12	193.88	0.17
192.33	0.00	192.85	0.03	193.37	0.12	193.89	0.17
192.34	0.00	192.86	0.04	193.38	0.12	193.90	0.17
192.35	0.00	192.87	0.04	193.39	0.13	193.91	0.17
192.36	0.00	192.88	0.05	193.40	0.13	193.92	0.17
192.37	0.00	192.89	0.05	193.41	0.13	193.93	0.17
192.38	0.00	192.90	0.05	193.42	0.13	193.94	0.17
192.39	0.00	192.91	0.05	193.43	0.13	193.95	0.18
192.40	0.00	192.92	0.06	193.44	0.13	193.96	0.18
192.41	0.00	192.93	0.06	193.45	0.13	193.97	0.18
192.42	0.00	192.94	0.06	193.46	0.13	193.98	0.18
192.43	0.00	192.95	0.06	193.47	0.13	193.99	0.18
192.44	0.00	192.96	0.06	193.48	0.13	194.00	0.18
192.45	0.00	192.97	0.07	193.49	0.14	194.01	0.18
192.46	0.00	192.98	0.07	193.50	0.14	194.02	0.18
192.47	0.00	192.99	0.07	193.51	0.14	194.03	0.18
192.48	0.00	193.00	0.07	193.52	0.14	194.04	0.18
192.49	0.00	193.01	0.07	193.53	0.14	194.05	0.18
192.50	0.00	193.02	0.08	193.54	0.14	194.06	0.20
192.51	0.00	193.03	0.08	193.55	0.14	194.07	0.22

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.25	194.60	5.41
194.09	0.29	194.61	5.55
194.10	0.33	194.62	5.69
194.11	0.38	194.63	5.83
194.12	0.43	194.64	5.98
194.13	0.48	194.65	6.12
194.14	0.54	194.66	6.27
194.15	0.60	194.67	6.41
194.16	0.67	194.68	6.56
194.17	0.73	194.69	6.71
194.18	0.80	194.70	6.86
194.19	0.87	194.71	7.01
194.20	0.95	194.72	7.16
194.21	1.03	194.73	7.31
194.22	1.10	194.74	7.47
194.23	1.19	194.75	7.62
194.24	1.27	194.76	7.78
194.25	1.36	194.77	7.93
194.26	1.44	194.78	8.09
194.27	1.53	194.79	8.25
194.28	1.63	194.80	8.41
194.29	1.72	194.81	8.57
194.30	1.82	194.82	8.73
194.31	1.91	194.83	8.89
194.32	2.01	194.84	9.06
194.33	2.11	194.85	9.22
194.34	2.22	194.86	9.50
194.35	2.32	194.87	9.88
194.36	2.43	194.88	10.33
194.37	2.54	194.89	10.82
194.38	2.64	194.90	11.36
194.39	2.76	194.91	11.95
194.40	2.87	194.92	12.57
194.41	2.98	194.93	13.22
194.42	3.10	194.94	13.91
194.43	3.22	194.95	14.62
194.44	3.33	194.96	15.37
194.45	3.45	194.97	16.14
194.46	3.57	194.98	16.95
194.47	3.70	194.99	17.77
194.48	3.82	195.00	18.63
194.49	3.95		
194.50	4.07		
194.51	4.20		
194.52	4.33		
194.53	4.46		
194.54	4.59		
194.55	4.73		
194.56	4.86		
194.57	5.00		
194.58	5.13		
194.59	5.27		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	7,975	0	192.52	8,406	4,259
192.01	7,983	80	192.53	8,414	4,343
192.02	7,992	160	192.54	8,423	4,427
192.03	8,000	240	192.55	8,431	4,512
192.04	8,008	320	192.56	8,439	4,596
192.05	8,016	400	192.57	8,448	4,680
192.06	8,025	480	192.58	8,456	4,765
192.07	8,033	560	192.59	8,464	4,850
192.08	8,041	641	192.60	8,472	4,934
192.09	8,050	721	192.61	8,481	5,019
192.10	8,058	802	192.62	8,489	5,104
192.11	8,066	882	192.63	8,497	5,189
192.12	8,074	963	192.64	8,506	5,274
192.13	8,083	1,044	192.65	8,514	5,359
192.14	8,091	1,125	192.66	8,522	5,444
192.15	8,099	1,206	192.67	8,530	5,529
192.16	8,108	1,287	192.68	8,539	5,615
192.17	8,116	1,368	192.69	8,547	5,700
192.18	8,124	1,449	192.70	8,555	5,786
192.19	8,133	1,530	192.71	8,564	5,871
192.20	8,141	1,612	192.72	8,572	5,957
192.21	8,149	1,693	192.73	8,580	6,043
192.22	8,157	1,775	192.74	8,588	6,128
192.23	8,166	1,856	192.75	8,597	6,214
192.24	8,174	1,938	192.76	8,605	6,300
192.25	8,182	2,020	192.77	8,613	6,387
192.26	8,191	2,102	192.78	8,622	6,473
192.27	8,199	2,183	192.79	8,630	6,559
192.28	8,207	2,265	192.80	8,638	6,645
192.29	8,215	2,348	192.81	8,646	6,732
192.30	8,224	2,430	192.82	8,655	6,818
192.31	8,232	2,512	192.83	8,663	6,905
192.32	8,240	2,594	192.84	8,671	6,991
192.33	8,249	2,677	192.85	8,680	7,078
192.34	8,257	2,759	192.86	8,688	7,165
192.35	8,265	2,842	192.87	8,696	7,252
192.36	8,273	2,925	192.88	8,705	7,339
192.37	8,282	3,007	192.89	8,713	7,426
192.38	8,290	3,090	192.90	8,721	7,513
192.39	8,298	3,173	192.91	8,729	7,600
192.40	8,307	3,256	192.92	8,738	7,688
192.41	8,315	3,339	192.93	8,746	7,775
192.42	8,323	3,423	192.94	8,754	7,863
192.43	8,331	3,506	192.95	8,763	7,950
192.44	8,340	3,589	192.96	8,771	8,038
192.45	8,348	3,673	192.97	8,779	8,126
192.46	8,356	3,756	192.98	8,787	8,214
192.47	8,365	3,840	192.99	8,796	8,302
192.48	8,373	3,924	193.00	8,804	8,390
192.49	8,381	4,007	193.01	8,812	8,478
192.50	8,390	4,091	193.02	8,821	8,566
192.51	8,398	4,175	193.03	8,830	8,654

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,838	8,742	193.56	9,280	13,453
193.05	8,847	8,831	193.57	9,288	13,546
193.06	8,855	8,919	193.58	9,297	13,639
193.07	8,863	9,008	193.59	9,306	13,732
193.08	8,872	9,097	193.60	9,314	13,825
193.09	8,881	9,185	193.61	9,323	13,918
193.10	8,889	9,274	193.62	9,331	14,011
193.11	8,898	9,363	193.63	9,339	14,105
193.12	8,906	9,452	193.64	9,348	14,198
193.13	8,914	9,541	193.65	9,357	14,292
193.14	8,923	9,630	193.66	9,365	14,385
193.15	8,932	9,720	193.67	9,373	14,479
193.16	8,940	9,809	193.68	9,382	14,573
193.17	8,948	9,898	193.69	9,390	14,667
193.18	8,957	9,988	193.70	9,399	14,761
193.19	8,965	10,078	193.71	9,408	14,855
193.20	8,974	10,167	193.72	9,416	14,949
193.21	8,983	10,257	193.73	9,424	15,043
193.22	8,991	10,347	193.74	9,433	15,137
193.23	8,999	10,437	193.75	9,442	15,232
193.24	9,008	10,527	193.76	9,450	15,326
193.25	9,017	10,617	193.77	9,459	15,421
193.26	9,025	10,707	193.78	9,467	15,515
193.27	9,034	10,798	193.79	9,475	15,610
193.28	9,042	10,888	193.80	9,484	15,705
193.29	9,050	10,978	193.81	9,493	15,800
193.30	9,059	11,069	193.82	9,501	15,895
193.31	9,068	11,160	193.83	9,510	15,990
193.32	9,076	11,250	193.84	9,518	16,085
193.33	9,085	11,341	193.85	9,526	16,180
193.34	9,093	11,432	193.86	9,535	16,275
193.35	9,101	11,523	193.87	9,544	16,371
193.36	9,110	11,614	193.88	9,552	16,466
193.37	9,119	11,705	193.89	9,560	16,562
193.38	9,127	11,796	193.90	9,569	16,657
193.39	9,135	11,888	193.91	9,577	16,753
193.40	9,144	11,979	193.92	9,586	16,849
193.41	9,152	12,071	193.93	9,595	16,945
193.42	9,161	12,162	193.94	9,603	17,041
193.43	9,170	12,254	193.95	9,611	17,137
193.44	9,178	12,346	193.96	9,620	17,233
193.45	9,186	12,437	193.97	9,628	17,329
193.46	9,195	12,529	193.98	9,637	17,426
193.47	9,203	12,621	193.99	9,646	17,522
193.48	9,212	12,713	194.00	9,654	17,619
193.49	9,221	12,806	194.01	9,663	17,715
193.50	9,229	12,898	194.02	9,671	17,812
193.51	9,237	12,990	194.03	9,680	17,909
193.52	9,246	13,083	194.04	9,689	18,005
193.53	9,255	13,175	194.05	9,697	18,102
193.54	9,263	13,268	194.06	9,706	18,199
193.55	9,272	13,360	194.07	9,715	18,296

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	9,723	18,394	194.60	10,175	23,567
194.09	9,732	18,491	194.61	10,183	23,669
194.10	9,741	18,588	194.62	10,192	23,771
194.11	9,749	18,686	194.63	10,201	23,873
194.12	9,758	18,783	194.64	10,210	23,975
194.13	9,767	18,881	194.65	10,218	24,077
194.14	9,776	18,979	194.66	10,227	24,179
194.15	9,784	19,076	194.67	10,236	24,282
194.16	9,793	19,174	194.68	10,244	24,384
194.17	9,802	19,272	194.69	10,253	24,486
194.18	9,810	19,370	194.70	10,262	24,589
194.19	9,819	19,468	194.71	10,270	24,692
194.20	9,828	19,567	194.72	10,279	24,794
194.21	9,836	19,665	194.73	10,288	24,897
194.22	9,845	19,763	194.74	10,296	25,000
194.23	9,854	19,862	194.75	10,305	25,103
194.24	9,862	19,960	194.76	10,314	25,206
194.25	9,871	20,059	194.77	10,322	25,309
194.26	9,880	20,158	194.78	10,331	25,413
194.27	9,888	20,257	194.79	10,340	25,516
194.28	9,897	20,356	194.80	10,348	25,619
194.29	9,906	20,455	194.81	10,357	25,723
194.30	9,914	20,554	194.82	10,366	25,827
194.31	9,923	20,653	194.83	10,374	25,930
194.32	9,932	20,752	194.84	10,383	26,034
194.33	9,940	20,852	194.85	10,392	26,138
194.34	9,949	20,951	194.86	10,400	26,242
194.35	9,958	21,051	194.87	10,409	26,346
194.36	9,966	21,150	194.88	10,418	26,450
194.37	9,975	21,250	194.89	10,427	26,554
194.38	9,984	21,350	194.90	10,435	26,659
194.39	9,993	21,450	194.91	10,444	26,763
194.40	10,001	21,550	194.92	10,453	26,868
194.41	10,010	21,650	194.93	10,461	26,972
194.42	10,019	21,750	194.94	10,470	27,077
194.43	10,027	21,850	194.95	10,479	27,181
194.44	10,036	21,950	194.96	10,487	27,286
194.45	10,045	22,051	194.97	10,496	27,391
194.46	10,053	22,151	194.98	10,505	27,496
194.47	10,062	22,252	194.99	10,513	27,601
194.48	10,071	22,352	195.00	10,522	27,707
194.49	10,079	22,453			
194.50	10,088	22,554			
194.51	10,097	22,655			
194.52	10,105	22,756			
194.53	10,114	22,857			
194.54	10,123	22,958			
194.55	10,131	23,059			
194.56	10,140	23,161			
194.57	10,149	23,262			
194.58	10,157	23,364			
194.59	10,166	23,465			

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 0.30" for WQ Storm event
 Inflow = 1.41 cfs @ 1.16 hrs, Volume= 0.054 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 192.32' @ 2.60 hrs Surf.Area= 7,424 sf Storage= 2,347 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

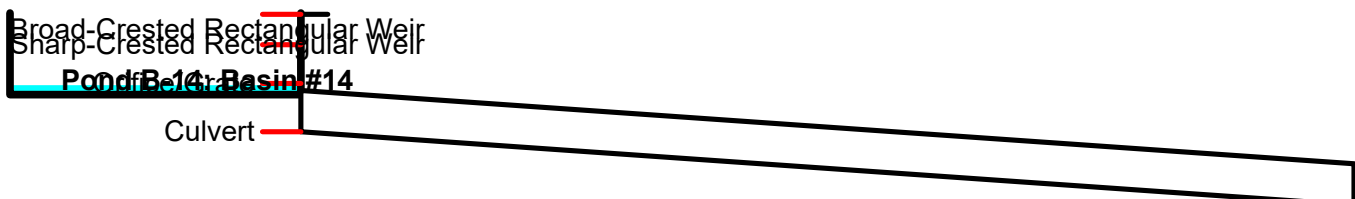
Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,910 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	7,240	0	0
193.00	7,814	7,527	7,527
194.00	8,405	8,110	15,637
194.95	9,012	8,273	23,910

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	18.0" Round Culvert L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 ' S= 0.0137 ' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.80'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	194.90'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

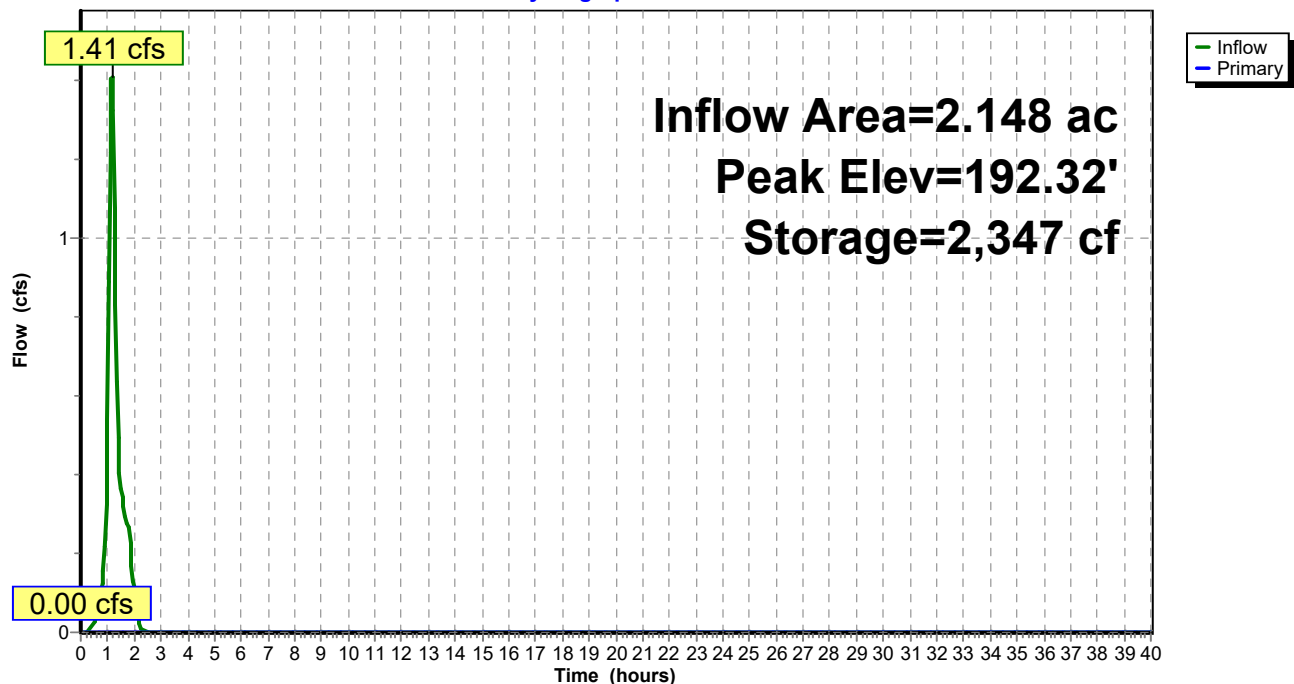
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=192.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-14: Basin #14

Hydrograph



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.02	4	192.00	0.00
0.60	0.05	17	192.00	0.00
0.70	0.09	43	192.01	0.00
0.80	0.12	82	192.01	0.00
0.90	0.22	141	192.02	0.00
1.00	0.54	267	192.04	0.00
1.10	1.22	584	192.08	0.00
1.20	1.32	1,065	192.15	0.00
1.30	0.83	1,453	192.20	0.00
1.40	0.49	1,686	192.23	0.00
1.50	0.36	1,836	192.25	0.00
1.60	0.32	1,960	192.27	0.00
1.70	0.28	2,066	192.28	0.00
1.80	0.26	2,164	192.30	0.00
1.90	0.17	2,243	192.31	0.00
2.00	0.11	2,292	192.31	0.00
2.10	0.07	2,326	192.32	0.00
2.20	0.02	2,342	192.32	0.00
2.30	0.00	2,346	192.32	0.00
2.40	0.00	2,347	192.32	0.00
2.50	0.00	2,347	192.32	0.00
2.60	0.00	2,347	192.32	0.00
2.70	0.00	2,347	192.32	0.00
2.80	0.00	2,347	192.32	0.00
2.90	0.00	2,347	192.32	0.00
3.00	0.00	2,347	192.32	0.00
3.10	0.00	2,347	192.32	0.00
3.20	0.00	2,347	192.32	0.00
3.30	0.00	2,347	192.32	0.00
3.40	0.00	2,347	192.32	0.00
3.50	0.00	2,347	192.32	0.00
3.60	0.00	2,347	192.32	0.00
3.70	0.00	2,347	192.32	0.00
3.80	0.00	2,347	192.32	0.00
3.90	0.00	2,347	192.32	0.00
4.00	0.00	2,347	192.32	0.00
4.10	0.00	2,347	192.32	0.00
4.20	0.00	2,347	192.32	0.00
4.30	0.00	2,347	192.32	0.00
4.40	0.00	2,347	192.32	0.00
4.50	0.00	2,347	192.32	0.00
4.60	0.00	2,347	192.32	0.00
4.70	0.00	2,347	192.32	0.00
4.80	0.00	2,347	192.32	0.00
4.90	0.00	2,347	192.32	0.00
5.00	0.00	2,347	192.32	0.00
5.10	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,347	192.32	0.00
5.30	0.00	2,347	192.32	0.00
5.40	0.00	2,347	192.32	0.00
5.50	0.00	2,347	192.32	0.00
5.60	0.00	2,347	192.32	0.00
5.70	0.00	2,347	192.32	0.00
5.80	0.00	2,347	192.32	0.00
5.90	0.00	2,347	192.32	0.00
6.00	0.00	2,347	192.32	0.00
6.10	0.00	2,347	192.32	0.00
6.20	0.00	2,347	192.32	0.00
6.30	0.00	2,347	192.32	0.00
6.40	0.00	2,347	192.32	0.00
6.50	0.00	2,347	192.32	0.00
6.60	0.00	2,347	192.32	0.00
6.70	0.00	2,347	192.32	0.00
6.80	0.00	2,347	192.32	0.00
6.90	0.00	2,347	192.32	0.00
7.00	0.00	2,347	192.32	0.00
7.10	0.00	2,347	192.32	0.00
7.20	0.00	2,347	192.32	0.00
7.30	0.00	2,347	192.32	0.00
7.40	0.00	2,347	192.32	0.00
7.50	0.00	2,347	192.32	0.00
7.60	0.00	2,347	192.32	0.00
7.70	0.00	2,347	192.32	0.00
7.80	0.00	2,347	192.32	0.00
7.90	0.00	2,347	192.32	0.00
8.00	0.00	2,347	192.32	0.00
8.10	0.00	2,347	192.32	0.00
8.20	0.00	2,347	192.32	0.00
8.30	0.00	2,347	192.32	0.00
8.40	0.00	2,347	192.32	0.00
8.50	0.00	2,347	192.32	0.00
8.60	0.00	2,347	192.32	0.00
8.70	0.00	2,347	192.32	0.00
8.80	0.00	2,347	192.32	0.00
8.90	0.00	2,347	192.32	0.00
9.00	0.00	2,347	192.32	0.00
9.10	0.00	2,347	192.32	0.00
9.20	0.00	2,347	192.32	0.00
9.30	0.00	2,347	192.32	0.00
9.40	0.00	2,347	192.32	0.00
9.50	0.00	2,347	192.32	0.00
9.60	0.00	2,347	192.32	0.00
9.70	0.00	2,347	192.32	0.00
9.80	0.00	2,347	192.32	0.00
9.90	0.00	2,347	192.32	0.00
10.00	0.00	2,347	192.32	0.00
10.10	0.00	2,347	192.32	0.00
10.20	0.00	2,347	192.32	0.00
10.30	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,347	192.32	0.00
10.50	0.00	2,347	192.32	0.00
10.60	0.00	2,347	192.32	0.00
10.70	0.00	2,347	192.32	0.00
10.80	0.00	2,347	192.32	0.00
10.90	0.00	2,347	192.32	0.00
11.00	0.00	2,347	192.32	0.00
11.10	0.00	2,347	192.32	0.00
11.20	0.00	2,347	192.32	0.00
11.30	0.00	2,347	192.32	0.00
11.40	0.00	2,347	192.32	0.00
11.50	0.00	2,347	192.32	0.00
11.60	0.00	2,347	192.32	0.00
11.70	0.00	2,347	192.32	0.00
11.80	0.00	2,347	192.32	0.00
11.90	0.00	2,347	192.32	0.00
12.00	0.00	2,347	192.32	0.00
12.10	0.00	2,347	192.32	0.00
12.20	0.00	2,347	192.32	0.00
12.30	0.00	2,347	192.32	0.00
12.40	0.00	2,347	192.32	0.00
12.50	0.00	2,347	192.32	0.00
12.60	0.00	2,347	192.32	0.00
12.70	0.00	2,347	192.32	0.00
12.80	0.00	2,347	192.32	0.00
12.90	0.00	2,347	192.32	0.00
13.00	0.00	2,347	192.32	0.00
13.10	0.00	2,347	192.32	0.00
13.20	0.00	2,347	192.32	0.00
13.30	0.00	2,347	192.32	0.00
13.40	0.00	2,347	192.32	0.00
13.50	0.00	2,347	192.32	0.00
13.60	0.00	2,347	192.32	0.00
13.70	0.00	2,347	192.32	0.00
13.80	0.00	2,347	192.32	0.00
13.90	0.00	2,347	192.32	0.00
14.00	0.00	2,347	192.32	0.00
14.10	0.00	2,347	192.32	0.00
14.20	0.00	2,347	192.32	0.00
14.30	0.00	2,347	192.32	0.00
14.40	0.00	2,347	192.32	0.00
14.50	0.00	2,347	192.32	0.00
14.60	0.00	2,347	192.32	0.00
14.70	0.00	2,347	192.32	0.00
14.80	0.00	2,347	192.32	0.00
14.90	0.00	2,347	192.32	0.00
15.00	0.00	2,347	192.32	0.00
15.10	0.00	2,347	192.32	0.00
15.20	0.00	2,347	192.32	0.00
15.30	0.00	2,347	192.32	0.00
15.40	0.00	2,347	192.32	0.00
15.50	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,347	192.32	0.00
15.70	0.00	2,347	192.32	0.00
15.80	0.00	2,347	192.32	0.00
15.90	0.00	2,347	192.32	0.00
16.00	0.00	2,347	192.32	0.00
16.10	0.00	2,347	192.32	0.00
16.20	0.00	2,347	192.32	0.00
16.30	0.00	2,347	192.32	0.00
16.40	0.00	2,347	192.32	0.00
16.50	0.00	2,347	192.32	0.00
16.60	0.00	2,347	192.32	0.00
16.70	0.00	2,347	192.32	0.00
16.80	0.00	2,347	192.32	0.00
16.90	0.00	2,347	192.32	0.00
17.00	0.00	2,347	192.32	0.00
17.10	0.00	2,347	192.32	0.00
17.20	0.00	2,347	192.32	0.00
17.30	0.00	2,347	192.32	0.00
17.40	0.00	2,347	192.32	0.00
17.50	0.00	2,347	192.32	0.00
17.60	0.00	2,347	192.32	0.00
17.70	0.00	2,347	192.32	0.00
17.80	0.00	2,347	192.32	0.00
17.90	0.00	2,347	192.32	0.00
18.00	0.00	2,347	192.32	0.00
18.10	0.00	2,347	192.32	0.00
18.20	0.00	2,347	192.32	0.00
18.30	0.00	2,347	192.32	0.00
18.40	0.00	2,347	192.32	0.00
18.50	0.00	2,347	192.32	0.00
18.60	0.00	2,347	192.32	0.00
18.70	0.00	2,347	192.32	0.00
18.80	0.00	2,347	192.32	0.00
18.90	0.00	2,347	192.32	0.00
19.00	0.00	2,347	192.32	0.00
19.10	0.00	2,347	192.32	0.00
19.20	0.00	2,347	192.32	0.00
19.30	0.00	2,347	192.32	0.00
19.40	0.00	2,347	192.32	0.00
19.50	0.00	2,347	192.32	0.00
19.60	0.00	2,347	192.32	0.00
19.70	0.00	2,347	192.32	0.00
19.80	0.00	2,347	192.32	0.00
19.90	0.00	2,347	192.32	0.00
20.00	0.00	2,347	192.32	0.00
20.10	0.00	2,347	192.32	0.00
20.20	0.00	2,347	192.32	0.00
20.30	0.00	2,347	192.32	0.00
20.40	0.00	2,347	192.32	0.00
20.50	0.00	2,347	192.32	0.00
20.60	0.00	2,347	192.32	0.00
20.70	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,347	192.32	0.00
20.90	0.00	2,347	192.32	0.00
21.00	0.00	2,347	192.32	0.00
21.10	0.00	2,347	192.32	0.00
21.20	0.00	2,347	192.32	0.00
21.30	0.00	2,347	192.32	0.00
21.40	0.00	2,347	192.32	0.00
21.50	0.00	2,347	192.32	0.00
21.60	0.00	2,347	192.32	0.00
21.70	0.00	2,347	192.32	0.00
21.80	0.00	2,347	192.32	0.00
21.90	0.00	2,347	192.32	0.00
22.00	0.00	2,347	192.32	0.00
22.10	0.00	2,347	192.32	0.00
22.20	0.00	2,347	192.32	0.00
22.30	0.00	2,347	192.32	0.00
22.40	0.00	2,347	192.32	0.00
22.50	0.00	2,347	192.32	0.00
22.60	0.00	2,347	192.32	0.00
22.70	0.00	2,347	192.32	0.00
22.80	0.00	2,347	192.32	0.00
22.90	0.00	2,347	192.32	0.00
23.00	0.00	2,347	192.32	0.00
23.10	0.00	2,347	192.32	0.00
23.20	0.00	2,347	192.32	0.00
23.30	0.00	2,347	192.32	0.00
23.40	0.00	2,347	192.32	0.00
23.50	0.00	2,347	192.32	0.00
23.60	0.00	2,347	192.32	0.00
23.70	0.00	2,347	192.32	0.00
23.80	0.00	2,347	192.32	0.00
23.90	0.00	2,347	192.32	0.00
24.00	0.00	2,347	192.32	0.00
24.10	0.00	2,347	192.32	0.00
24.20	0.00	2,347	192.32	0.00
24.30	0.00	2,347	192.32	0.00
24.40	0.00	2,347	192.32	0.00
24.50	0.00	2,347	192.32	0.00
24.60	0.00	2,347	192.32	0.00
24.70	0.00	2,347	192.32	0.00
24.80	0.00	2,347	192.32	0.00
24.90	0.00	2,347	192.32	0.00
25.00	0.00	2,347	192.32	0.00
25.10	0.00	2,347	192.32	0.00
25.20	0.00	2,347	192.32	0.00
25.30	0.00	2,347	192.32	0.00
25.40	0.00	2,347	192.32	0.00
25.50	0.00	2,347	192.32	0.00
25.60	0.00	2,347	192.32	0.00
25.70	0.00	2,347	192.32	0.00
25.80	0.00	2,347	192.32	0.00
25.90	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,347	192.32	0.00
26.10	0.00	2,347	192.32	0.00
26.20	0.00	2,347	192.32	0.00
26.30	0.00	2,347	192.32	0.00
26.40	0.00	2,347	192.32	0.00
26.50	0.00	2,347	192.32	0.00
26.60	0.00	2,347	192.32	0.00
26.70	0.00	2,347	192.32	0.00
26.80	0.00	2,347	192.32	0.00
26.90	0.00	2,347	192.32	0.00
27.00	0.00	2,347	192.32	0.00
27.10	0.00	2,347	192.32	0.00
27.20	0.00	2,347	192.32	0.00
27.30	0.00	2,347	192.32	0.00
27.40	0.00	2,347	192.32	0.00
27.50	0.00	2,347	192.32	0.00
27.60	0.00	2,347	192.32	0.00
27.70	0.00	2,347	192.32	0.00
27.80	0.00	2,347	192.32	0.00
27.90	0.00	2,347	192.32	0.00
28.00	0.00	2,347	192.32	0.00
28.10	0.00	2,347	192.32	0.00
28.20	0.00	2,347	192.32	0.00
28.30	0.00	2,347	192.32	0.00
28.40	0.00	2,347	192.32	0.00
28.50	0.00	2,347	192.32	0.00
28.60	0.00	2,347	192.32	0.00
28.70	0.00	2,347	192.32	0.00
28.80	0.00	2,347	192.32	0.00
28.90	0.00	2,347	192.32	0.00
29.00	0.00	2,347	192.32	0.00
29.10	0.00	2,347	192.32	0.00
29.20	0.00	2,347	192.32	0.00
29.30	0.00	2,347	192.32	0.00
29.40	0.00	2,347	192.32	0.00
29.50	0.00	2,347	192.32	0.00
29.60	0.00	2,347	192.32	0.00
29.70	0.00	2,347	192.32	0.00
29.80	0.00	2,347	192.32	0.00
29.90	0.00	2,347	192.32	0.00
30.00	0.00	2,347	192.32	0.00
30.10	0.00	2,347	192.32	0.00
30.20	0.00	2,347	192.32	0.00
30.30	0.00	2,347	192.32	0.00
30.40	0.00	2,347	192.32	0.00
30.50	0.00	2,347	192.32	0.00
30.60	0.00	2,347	192.32	0.00
30.70	0.00	2,347	192.32	0.00
30.80	0.00	2,347	192.32	0.00
30.90	0.00	2,347	192.32	0.00
31.00	0.00	2,347	192.32	0.00
31.10	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,347	192.32	0.00
31.30	0.00	2,347	192.32	0.00
31.40	0.00	2,347	192.32	0.00
31.50	0.00	2,347	192.32	0.00
31.60	0.00	2,347	192.32	0.00
31.70	0.00	2,347	192.32	0.00
31.80	0.00	2,347	192.32	0.00
31.90	0.00	2,347	192.32	0.00
32.00	0.00	2,347	192.32	0.00
32.10	0.00	2,347	192.32	0.00
32.20	0.00	2,347	192.32	0.00
32.30	0.00	2,347	192.32	0.00
32.40	0.00	2,347	192.32	0.00
32.50	0.00	2,347	192.32	0.00
32.60	0.00	2,347	192.32	0.00
32.70	0.00	2,347	192.32	0.00
32.80	0.00	2,347	192.32	0.00
32.90	0.00	2,347	192.32	0.00
33.00	0.00	2,347	192.32	0.00
33.10	0.00	2,347	192.32	0.00
33.20	0.00	2,347	192.32	0.00
33.30	0.00	2,347	192.32	0.00
33.40	0.00	2,347	192.32	0.00
33.50	0.00	2,347	192.32	0.00
33.60	0.00	2,347	192.32	0.00
33.70	0.00	2,347	192.32	0.00
33.80	0.00	2,347	192.32	0.00
33.90	0.00	2,347	192.32	0.00
34.00	0.00	2,347	192.32	0.00
34.10	0.00	2,347	192.32	0.00
34.20	0.00	2,347	192.32	0.00
34.30	0.00	2,347	192.32	0.00
34.40	0.00	2,347	192.32	0.00
34.50	0.00	2,347	192.32	0.00
34.60	0.00	2,347	192.32	0.00
34.70	0.00	2,347	192.32	0.00
34.80	0.00	2,347	192.32	0.00
34.90	0.00	2,347	192.32	0.00
35.00	0.00	2,347	192.32	0.00
35.10	0.00	2,347	192.32	0.00
35.20	0.00	2,347	192.32	0.00
35.30	0.00	2,347	192.32	0.00
35.40	0.00	2,347	192.32	0.00
35.50	0.00	2,347	192.32	0.00
35.60	0.00	2,347	192.32	0.00
35.70	0.00	2,347	192.32	0.00
35.80	0.00	2,347	192.32	0.00
35.90	0.00	2,347	192.32	0.00
36.00	0.00	2,347	192.32	0.00
36.10	0.00	2,347	192.32	0.00
36.20	0.00	2,347	192.32	0.00
36.30	0.00	2,347	192.32	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,347	192.32	0.00
36.50	0.00	2,347	192.32	0.00
36.60	0.00	2,347	192.32	0.00
36.70	0.00	2,347	192.32	0.00
36.80	0.00	2,347	192.32	0.00
36.90	0.00	2,347	192.32	0.00
37.00	0.00	2,347	192.32	0.00
37.10	0.00	2,347	192.32	0.00
37.20	0.00	2,347	192.32	0.00
37.30	0.00	2,347	192.32	0.00
37.40	0.00	2,347	192.32	0.00
37.50	0.00	2,347	192.32	0.00
37.60	0.00	2,347	192.32	0.00
37.70	0.00	2,347	192.32	0.00
37.80	0.00	2,347	192.32	0.00
37.90	0.00	2,347	192.32	0.00
38.00	0.00	2,347	192.32	0.00
38.10	0.00	2,347	192.32	0.00
38.20	0.00	2,347	192.32	0.00
38.30	0.00	2,347	192.32	0.00
38.40	0.00	2,347	192.32	0.00
38.50	0.00	2,347	192.32	0.00
38.60	0.00	2,347	192.32	0.00
38.70	0.00	2,347	192.32	0.00
38.80	0.00	2,347	192.32	0.00
38.90	0.00	2,347	192.32	0.00
39.00	0.00	2,347	192.32	0.00
39.10	0.00	2,347	192.32	0.00
39.20	0.00	2,347	192.32	0.00
39.30	0.00	2,347	192.32	0.00
39.40	0.00	2,347	192.32	0.00
39.50	0.00	2,347	192.32	0.00
39.60	0.00	2,347	192.32	0.00
39.70	0.00	2,347	192.32	0.00
39.80	0.00	2,347	192.32	0.00
39.90	0.00	2,347	192.32	0.00
40.00	0.00	2,347	192.32	0.00

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.20
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.23
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.26
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.29
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.34
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.38
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.43
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.49
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.54
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.61
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.67
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.74
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.81
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.88
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.95
192.40	0.00	192.92	0.11	193.44	0.16	193.96	1.03
192.41	0.00	192.93	0.11	193.45	0.16	193.97	1.11
192.42	0.00	192.94	0.11	193.46	0.16	193.98	1.19
192.43	0.00	192.95	0.11	193.47	0.16	193.99	1.27
192.44	0.00	192.96	0.11	193.48	0.16	194.00	1.36
192.45	0.00	192.97	0.11	193.49	0.16	194.01	1.45
192.46	0.01	192.98	0.11	193.50	0.16	194.02	1.54
192.47	0.01	192.99	0.11	193.51	0.16	194.03	1.63
192.48	0.01	193.00	0.12	193.52	0.17	194.04	1.72
192.49	0.01	193.01	0.12	193.53	0.17	194.05	1.82
192.50	0.02	193.02	0.12	193.54	0.17	194.06	1.92
192.51	0.02	193.03	0.12	193.55	0.17	194.07	2.02

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	2.12	194.60	9.22
194.09	2.22	194.61	9.39
194.10	2.32	194.62	9.55
194.11	2.43	194.63	9.72
194.12	2.54	194.64	9.89
194.13	2.65	194.65	10.06
194.14	2.76	194.66	10.22
194.15	2.87	194.67	10.39
194.16	2.99	194.68	10.56
194.17	3.10	194.69	10.74
194.18	3.22	194.70	10.91
194.19	3.34	194.71	11.08
194.20	3.46	194.72	11.26
194.21	3.58	194.73	11.43
194.22	3.70	194.74	11.61
194.23	3.82	194.75	11.78
194.24	3.95	194.76	11.96
194.25	4.08	194.77	12.14
194.26	4.20	194.78	12.32
194.27	4.33	194.79	12.49
194.28	4.46	194.80	12.67
194.29	4.60	194.81	12.86
194.30	4.73	194.82	13.04
194.31	4.86	194.83	13.22
194.32	5.00	194.84	13.40
194.33	5.13	194.85	13.59
194.34	5.27	194.86	13.77
194.35	5.41	194.87	13.96
194.36	5.55	194.88	14.14
194.37	5.69	194.89	14.33
194.38	5.83	194.90	14.51
194.39	5.98	194.91	14.80
194.40	6.12	194.92	15.03
194.41	6.27	194.93	15.32
194.42	6.41	194.94	15.66
194.43	6.56	194.95	16.05
194.44	6.71		
194.45	6.86		
194.46	7.01		
194.47	7.16		
194.48	7.32		
194.49	7.47		
194.50	7.62		
194.51	7.78		
194.52	7.94		
194.53	8.09		
194.54	8.25		
194.55	8.41		
194.56	8.57		
194.57	8.73		
194.58	8.90		
194.59	9.06		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	7,240	0	192.52	7,538	3,842
192.01	7,246	72	192.53	7,544	3,918
192.02	7,251	145	192.54	7,550	3,993
192.03	7,257	217	192.55	7,556	4,069
192.04	7,263	290	192.56	7,561	4,144
192.05	7,269	363	192.57	7,567	4,220
192.06	7,274	435	192.58	7,573	4,296
192.07	7,280	508	192.59	7,579	4,372
192.08	7,286	581	192.60	7,584	4,447
192.09	7,292	654	192.61	7,590	4,523
192.10	7,297	727	192.62	7,596	4,599
192.11	7,303	800	192.63	7,602	4,675
192.12	7,309	873	192.64	7,607	4,751
192.13	7,315	946	192.65	7,613	4,827
192.14	7,320	1,019	192.66	7,619	4,903
192.15	7,326	1,092	192.67	7,625	4,980
192.16	7,332	1,166	192.68	7,630	5,056
192.17	7,338	1,239	192.69	7,636	5,132
192.18	7,343	1,312	192.70	7,642	5,209
192.19	7,349	1,386	192.71	7,648	5,285
192.20	7,355	1,459	192.72	7,653	5,362
192.21	7,361	1,533	192.73	7,659	5,438
192.22	7,366	1,607	192.74	7,665	5,515
192.23	7,372	1,680	192.75	7,671	5,591
192.24	7,378	1,754	192.76	7,676	5,668
192.25	7,384	1,828	192.77	7,682	5,745
192.26	7,389	1,902	192.78	7,688	5,822
192.27	7,395	1,976	192.79	7,693	5,899
192.28	7,401	2,050	192.80	7,699	5,976
192.29	7,406	2,124	192.81	7,705	6,053
192.30	7,412	2,198	192.82	7,711	6,130
192.31	7,418	2,272	192.83	7,716	6,207
192.32	7,424	2,346	192.84	7,722	6,284
192.33	7,429	2,420	192.85	7,728	6,361
192.34	7,435	2,495	192.86	7,734	6,439
192.35	7,441	2,569	192.87	7,739	6,516
192.36	7,447	2,644	192.88	7,745	6,593
192.37	7,452	2,718	192.89	7,751	6,671
192.38	7,458	2,793	192.90	7,757	6,748
192.39	7,464	2,867	192.91	7,762	6,826
192.40	7,470	2,942	192.92	7,768	6,904
192.41	7,475	3,017	192.93	7,774	6,981
192.42	7,481	3,091	192.94	7,780	7,059
192.43	7,487	3,166	192.95	7,785	7,137
192.44	7,493	3,241	192.96	7,791	7,215
192.45	7,498	3,316	192.97	7,797	7,293
192.46	7,504	3,391	192.98	7,803	7,371
192.47	7,510	3,466	192.99	7,808	7,449
192.48	7,516	3,541	193.00	7,814	7,527
192.49	7,521	3,617	193.01	7,820	7,605
192.50	7,527	3,692	193.02	7,826	7,683
192.51	7,533	3,767	193.03	7,832	7,762

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	7,838	7,840	193.56	8,145	11,996
193.05	7,844	7,918	193.57	8,151	12,077
193.06	7,849	7,997	193.58	8,157	12,159
193.07	7,855	8,075	193.59	8,163	12,240
193.08	7,861	8,154	193.60	8,169	12,322
193.09	7,867	8,233	193.61	8,175	12,403
193.10	7,873	8,311	193.62	8,180	12,485
193.11	7,879	8,390	193.63	8,186	12,567
193.12	7,885	8,469	193.64	8,192	12,649
193.13	7,891	8,548	193.65	8,198	12,731
193.14	7,897	8,627	193.66	8,204	12,813
193.15	7,903	8,706	193.67	8,210	12,895
193.16	7,909	8,785	193.68	8,216	12,977
193.17	7,914	8,864	193.69	8,222	13,059
193.18	7,920	8,943	193.70	8,228	13,142
193.19	7,926	9,022	193.71	8,234	13,224
193.20	7,932	9,102	193.72	8,240	13,306
193.21	7,938	9,181	193.73	8,245	13,389
193.22	7,944	9,260	193.74	8,251	13,471
193.23	7,950	9,340	193.75	8,257	13,554
193.24	7,956	9,419	193.76	8,263	13,636
193.25	7,962	9,499	193.77	8,269	13,719
193.26	7,968	9,579	193.78	8,275	13,802
193.27	7,974	9,658	193.79	8,281	13,884
193.28	7,979	9,738	193.80	8,287	13,967
193.29	7,985	9,818	193.81	8,293	14,050
193.30	7,991	9,898	193.82	8,299	14,133
193.31	7,997	9,978	193.83	8,305	14,216
193.32	8,003	10,058	193.84	8,310	14,299
193.33	8,009	10,138	193.85	8,316	14,382
193.34	8,015	10,218	193.86	8,322	14,466
193.35	8,021	10,298	193.87	8,328	14,549
193.36	8,027	10,378	193.88	8,334	14,632
193.37	8,033	10,459	193.89	8,340	14,716
193.38	8,039	10,539	193.90	8,346	14,799
193.39	8,044	10,619	193.91	8,352	14,882
193.40	8,050	10,700	193.92	8,358	14,966
193.41	8,056	10,780	193.93	8,364	15,050
193.42	8,062	10,861	193.94	8,370	15,133
193.43	8,068	10,942	193.95	8,375	15,217
193.44	8,074	11,022	193.96	8,381	15,301
193.45	8,080	11,103	193.97	8,387	15,385
193.46	8,086	11,184	193.98	8,393	15,469
193.47	8,092	11,265	193.99	8,399	15,552
193.48	8,098	11,346	194.00	8,405	15,637
193.49	8,104	11,427	194.01	8,411	15,721
193.50	8,110	11,508	194.02	8,418	15,805
193.51	8,115	11,589	194.03	8,424	15,889
193.52	8,121	11,670	194.04	8,431	15,973
193.53	8,127	11,751	194.05	8,437	16,058
193.54	8,133	11,833	194.06	8,443	16,142
193.55	8,139	11,914	194.07	8,450	16,226

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,456	16,311	194.60	8,788	20,795
194.09	8,463	16,396	194.61	8,795	20,882
194.10	8,469	16,480	194.62	8,801	20,970
194.11	8,475	16,565	194.63	8,808	21,058
194.12	8,482	16,650	194.64	8,814	21,147
194.13	8,488	16,735	194.65	8,820	21,235
194.14	8,494	16,819	194.66	8,827	21,323
194.15	8,501	16,904	194.67	8,833	21,411
194.16	8,507	16,989	194.68	8,839	21,500
194.17	8,514	17,075	194.69	8,846	21,588
194.18	8,520	17,160	194.70	8,852	21,677
194.19	8,526	17,245	194.71	8,859	21,765
194.20	8,533	17,330	194.72	8,865	21,854
194.21	8,539	17,416	194.73	8,871	21,942
194.22	8,546	17,501	194.74	8,878	22,031
194.23	8,552	17,587	194.75	8,884	22,120
194.24	8,558	17,672	194.76	8,891	22,209
194.25	8,565	17,758	194.77	8,897	22,298
194.26	8,571	17,843	194.78	8,903	22,387
194.27	8,578	17,929	194.79	8,910	22,476
194.28	8,584	18,015	194.80	8,916	22,565
194.29	8,590	18,101	194.81	8,923	22,654
194.30	8,597	18,187	194.82	8,929	22,743
194.31	8,603	18,273	194.83	8,935	22,833
194.32	8,609	18,359	194.84	8,942	22,922
194.33	8,616	18,445	194.85	8,948	23,012
194.34	8,622	18,531	194.86	8,954	23,101
194.35	8,629	18,617	194.87	8,961	23,191
194.36	8,635	18,704	194.88	8,967	23,280
194.37	8,641	18,790	194.89	8,974	23,370
194.38	8,648	18,877	194.90	8,980	23,460
194.39	8,654	18,963	194.91	8,986	23,550
194.40	8,661	19,050	194.92	8,993	23,640
194.41	8,667	19,136	194.93	8,999	23,729
194.42	8,673	19,223	194.94	9,006	23,819
194.43	8,680	19,310	194.95	9,012	23,910
194.44	8,686	19,397			
194.45	8,693	19,483			
194.46	8,699	19,570			
194.47	8,705	19,657			
194.48	8,712	19,745			
194.49	8,718	19,832			
194.50	8,724	19,919			
194.51	8,731	20,006			
194.52	8,737	20,093			
194.53	8,744	20,181			
194.54	8,750	20,268			
194.55	8,756	20,356			
194.56	8,763	20,443			
194.57	8,769	20,531			
194.58	8,776	20,619			
194.59	8,782	20,707			

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 0.64" for WQ Storm event
 Inflow = 3.63 cfs @ 1.15 hrs, Volume= 0.126 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 197.51' @ 2.60 hrs Surf.Area= 4,053 sf Storage= 5,478 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	17,418 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	3,221	0	0
197.00	3,765	3,493	3,493
198.00	4,333	4,049	7,542
199.00	4,930	4,632	12,174
200.00	5,559	5,245	17,418

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	18.0" Round Culvert L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	198.50'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	199.00'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	199.95'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

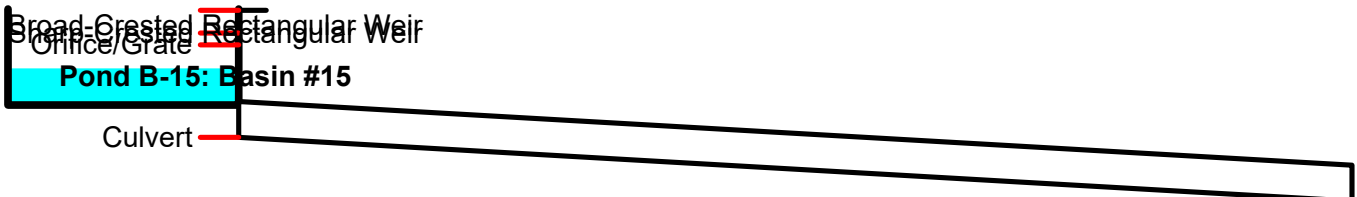
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=196.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)

Broad-Crested Rectangular Weir
 Orifice/Grate

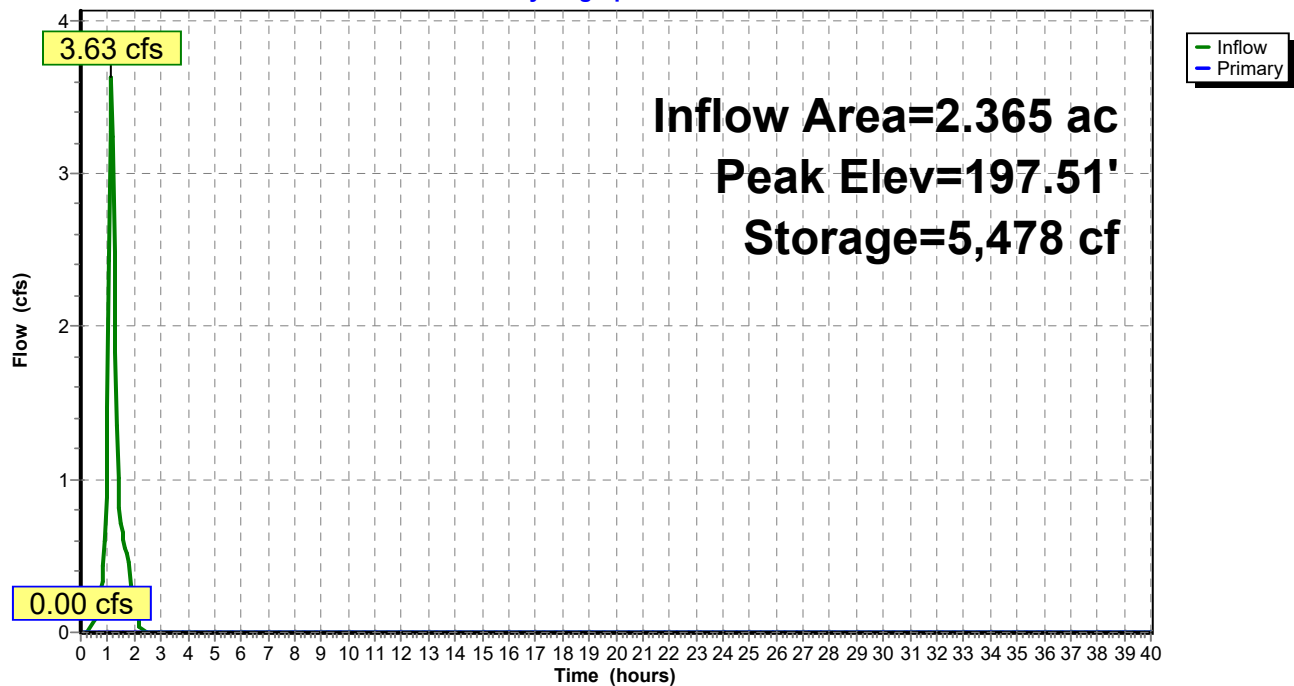
Pond B-15: Basin #15

Culvert



Pond B-15: Basin #15

Hydrograph



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.01	1	196.00	0.00
0.50	0.06	11	196.00	0.00
0.60	0.14	47	196.01	0.00
0.70	0.25	118	196.04	0.00
0.80	0.34	223	196.07	0.00
0.90	0.60	385	196.12	0.00
1.00	1.47	729	196.22	0.00
1.10	3.28	1,593	196.48	0.00
1.20	3.24	2,834	196.82	0.00
1.30	1.83	3,739	197.06	0.00
1.40	1.01	4,238	197.19	0.00
1.50	0.71	4,538	197.27	0.00
1.60	0.60	4,773	197.33	0.00
1.70	0.51	4,972	197.38	0.00
1.80	0.47	5,149	197.43	0.00
1.90	0.31	5,293	197.46	0.00
2.00	0.19	5,380	197.48	0.00
2.10	0.13	5,440	197.50	0.00
2.20	0.04	5,469	197.51	0.00
2.30	0.01	5,476	197.51	0.00
2.40	0.00	5,477	197.51	0.00
2.50	0.00	5,478	197.51	0.00
2.60	0.00	5,478	197.51	0.00
2.70	0.00	5,478	197.51	0.00
2.80	0.00	5,478	197.51	0.00
2.90	0.00	5,478	197.51	0.00
3.00	0.00	5,478	197.51	0.00
3.10	0.00	5,478	197.51	0.00
3.20	0.00	5,478	197.51	0.00
3.30	0.00	5,478	197.51	0.00
3.40	0.00	5,478	197.51	0.00
3.50	0.00	5,478	197.51	0.00
3.60	0.00	5,478	197.51	0.00
3.70	0.00	5,478	197.51	0.00
3.80	0.00	5,478	197.51	0.00
3.90	0.00	5,478	197.51	0.00
4.00	0.00	5,478	197.51	0.00
4.10	0.00	5,478	197.51	0.00
4.20	0.00	5,478	197.51	0.00
4.30	0.00	5,478	197.51	0.00
4.40	0.00	5,478	197.51	0.00
4.50	0.00	5,478	197.51	0.00
4.60	0.00	5,478	197.51	0.00
4.70	0.00	5,478	197.51	0.00
4.80	0.00	5,478	197.51	0.00
4.90	0.00	5,478	197.51	0.00
5.00	0.00	5,478	197.51	0.00
5.10	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,478	197.51	0.00
5.30	0.00	5,478	197.51	0.00
5.40	0.00	5,478	197.51	0.00
5.50	0.00	5,478	197.51	0.00
5.60	0.00	5,478	197.51	0.00
5.70	0.00	5,478	197.51	0.00
5.80	0.00	5,478	197.51	0.00
5.90	0.00	5,478	197.51	0.00
6.00	0.00	5,478	197.51	0.00
6.10	0.00	5,478	197.51	0.00
6.20	0.00	5,478	197.51	0.00
6.30	0.00	5,478	197.51	0.00
6.40	0.00	5,478	197.51	0.00
6.50	0.00	5,478	197.51	0.00
6.60	0.00	5,478	197.51	0.00
6.70	0.00	5,478	197.51	0.00
6.80	0.00	5,478	197.51	0.00
6.90	0.00	5,478	197.51	0.00
7.00	0.00	5,478	197.51	0.00
7.10	0.00	5,478	197.51	0.00
7.20	0.00	5,478	197.51	0.00
7.30	0.00	5,478	197.51	0.00
7.40	0.00	5,478	197.51	0.00
7.50	0.00	5,478	197.51	0.00
7.60	0.00	5,478	197.51	0.00
7.70	0.00	5,478	197.51	0.00
7.80	0.00	5,478	197.51	0.00
7.90	0.00	5,478	197.51	0.00
8.00	0.00	5,478	197.51	0.00
8.10	0.00	5,478	197.51	0.00
8.20	0.00	5,478	197.51	0.00
8.30	0.00	5,478	197.51	0.00
8.40	0.00	5,478	197.51	0.00
8.50	0.00	5,478	197.51	0.00
8.60	0.00	5,478	197.51	0.00
8.70	0.00	5,478	197.51	0.00
8.80	0.00	5,478	197.51	0.00
8.90	0.00	5,478	197.51	0.00
9.00	0.00	5,478	197.51	0.00
9.10	0.00	5,478	197.51	0.00
9.20	0.00	5,478	197.51	0.00
9.30	0.00	5,478	197.51	0.00
9.40	0.00	5,478	197.51	0.00
9.50	0.00	5,478	197.51	0.00
9.60	0.00	5,478	197.51	0.00
9.70	0.00	5,478	197.51	0.00
9.80	0.00	5,478	197.51	0.00
9.90	0.00	5,478	197.51	0.00
10.00	0.00	5,478	197.51	0.00
10.10	0.00	5,478	197.51	0.00
10.20	0.00	5,478	197.51	0.00
10.30	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,478	197.51	0.00
10.50	0.00	5,478	197.51	0.00
10.60	0.00	5,478	197.51	0.00
10.70	0.00	5,478	197.51	0.00
10.80	0.00	5,478	197.51	0.00
10.90	0.00	5,478	197.51	0.00
11.00	0.00	5,478	197.51	0.00
11.10	0.00	5,478	197.51	0.00
11.20	0.00	5,478	197.51	0.00
11.30	0.00	5,478	197.51	0.00
11.40	0.00	5,478	197.51	0.00
11.50	0.00	5,478	197.51	0.00
11.60	0.00	5,478	197.51	0.00
11.70	0.00	5,478	197.51	0.00
11.80	0.00	5,478	197.51	0.00
11.90	0.00	5,478	197.51	0.00
12.00	0.00	5,478	197.51	0.00
12.10	0.00	5,478	197.51	0.00
12.20	0.00	5,478	197.51	0.00
12.30	0.00	5,478	197.51	0.00
12.40	0.00	5,478	197.51	0.00
12.50	0.00	5,478	197.51	0.00
12.60	0.00	5,478	197.51	0.00
12.70	0.00	5,478	197.51	0.00
12.80	0.00	5,478	197.51	0.00
12.90	0.00	5,478	197.51	0.00
13.00	0.00	5,478	197.51	0.00
13.10	0.00	5,478	197.51	0.00
13.20	0.00	5,478	197.51	0.00
13.30	0.00	5,478	197.51	0.00
13.40	0.00	5,478	197.51	0.00
13.50	0.00	5,478	197.51	0.00
13.60	0.00	5,478	197.51	0.00
13.70	0.00	5,478	197.51	0.00
13.80	0.00	5,478	197.51	0.00
13.90	0.00	5,478	197.51	0.00
14.00	0.00	5,478	197.51	0.00
14.10	0.00	5,478	197.51	0.00
14.20	0.00	5,478	197.51	0.00
14.30	0.00	5,478	197.51	0.00
14.40	0.00	5,478	197.51	0.00
14.50	0.00	5,478	197.51	0.00
14.60	0.00	5,478	197.51	0.00
14.70	0.00	5,478	197.51	0.00
14.80	0.00	5,478	197.51	0.00
14.90	0.00	5,478	197.51	0.00
15.00	0.00	5,478	197.51	0.00
15.10	0.00	5,478	197.51	0.00
15.20	0.00	5,478	197.51	0.00
15.30	0.00	5,478	197.51	0.00
15.40	0.00	5,478	197.51	0.00
15.50	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,478	197.51	0.00
15.70	0.00	5,478	197.51	0.00
15.80	0.00	5,478	197.51	0.00
15.90	0.00	5,478	197.51	0.00
16.00	0.00	5,478	197.51	0.00
16.10	0.00	5,478	197.51	0.00
16.20	0.00	5,478	197.51	0.00
16.30	0.00	5,478	197.51	0.00
16.40	0.00	5,478	197.51	0.00
16.50	0.00	5,478	197.51	0.00
16.60	0.00	5,478	197.51	0.00
16.70	0.00	5,478	197.51	0.00
16.80	0.00	5,478	197.51	0.00
16.90	0.00	5,478	197.51	0.00
17.00	0.00	5,478	197.51	0.00
17.10	0.00	5,478	197.51	0.00
17.20	0.00	5,478	197.51	0.00
17.30	0.00	5,478	197.51	0.00
17.40	0.00	5,478	197.51	0.00
17.50	0.00	5,478	197.51	0.00
17.60	0.00	5,478	197.51	0.00
17.70	0.00	5,478	197.51	0.00
17.80	0.00	5,478	197.51	0.00
17.90	0.00	5,478	197.51	0.00
18.00	0.00	5,478	197.51	0.00
18.10	0.00	5,478	197.51	0.00
18.20	0.00	5,478	197.51	0.00
18.30	0.00	5,478	197.51	0.00
18.40	0.00	5,478	197.51	0.00
18.50	0.00	5,478	197.51	0.00
18.60	0.00	5,478	197.51	0.00
18.70	0.00	5,478	197.51	0.00
18.80	0.00	5,478	197.51	0.00
18.90	0.00	5,478	197.51	0.00
19.00	0.00	5,478	197.51	0.00
19.10	0.00	5,478	197.51	0.00
19.20	0.00	5,478	197.51	0.00
19.30	0.00	5,478	197.51	0.00
19.40	0.00	5,478	197.51	0.00
19.50	0.00	5,478	197.51	0.00
19.60	0.00	5,478	197.51	0.00
19.70	0.00	5,478	197.51	0.00
19.80	0.00	5,478	197.51	0.00
19.90	0.00	5,478	197.51	0.00
20.00	0.00	5,478	197.51	0.00
20.10	0.00	5,478	197.51	0.00
20.20	0.00	5,478	197.51	0.00
20.30	0.00	5,478	197.51	0.00
20.40	0.00	5,478	197.51	0.00
20.50	0.00	5,478	197.51	0.00
20.60	0.00	5,478	197.51	0.00
20.70	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,478	197.51	0.00
20.90	0.00	5,478	197.51	0.00
21.00	0.00	5,478	197.51	0.00
21.10	0.00	5,478	197.51	0.00
21.20	0.00	5,478	197.51	0.00
21.30	0.00	5,478	197.51	0.00
21.40	0.00	5,478	197.51	0.00
21.50	0.00	5,478	197.51	0.00
21.60	0.00	5,478	197.51	0.00
21.70	0.00	5,478	197.51	0.00
21.80	0.00	5,478	197.51	0.00
21.90	0.00	5,478	197.51	0.00
22.00	0.00	5,478	197.51	0.00
22.10	0.00	5,478	197.51	0.00
22.20	0.00	5,478	197.51	0.00
22.30	0.00	5,478	197.51	0.00
22.40	0.00	5,478	197.51	0.00
22.50	0.00	5,478	197.51	0.00
22.60	0.00	5,478	197.51	0.00
22.70	0.00	5,478	197.51	0.00
22.80	0.00	5,478	197.51	0.00
22.90	0.00	5,478	197.51	0.00
23.00	0.00	5,478	197.51	0.00
23.10	0.00	5,478	197.51	0.00
23.20	0.00	5,478	197.51	0.00
23.30	0.00	5,478	197.51	0.00
23.40	0.00	5,478	197.51	0.00
23.50	0.00	5,478	197.51	0.00
23.60	0.00	5,478	197.51	0.00
23.70	0.00	5,478	197.51	0.00
23.80	0.00	5,478	197.51	0.00
23.90	0.00	5,478	197.51	0.00
24.00	0.00	5,478	197.51	0.00
24.10	0.00	5,478	197.51	0.00
24.20	0.00	5,478	197.51	0.00
24.30	0.00	5,478	197.51	0.00
24.40	0.00	5,478	197.51	0.00
24.50	0.00	5,478	197.51	0.00
24.60	0.00	5,478	197.51	0.00
24.70	0.00	5,478	197.51	0.00
24.80	0.00	5,478	197.51	0.00
24.90	0.00	5,478	197.51	0.00
25.00	0.00	5,478	197.51	0.00
25.10	0.00	5,478	197.51	0.00
25.20	0.00	5,478	197.51	0.00
25.30	0.00	5,478	197.51	0.00
25.40	0.00	5,478	197.51	0.00
25.50	0.00	5,478	197.51	0.00
25.60	0.00	5,478	197.51	0.00
25.70	0.00	5,478	197.51	0.00
25.80	0.00	5,478	197.51	0.00
25.90	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,478	197.51	0.00
26.10	0.00	5,478	197.51	0.00
26.20	0.00	5,478	197.51	0.00
26.30	0.00	5,478	197.51	0.00
26.40	0.00	5,478	197.51	0.00
26.50	0.00	5,478	197.51	0.00
26.60	0.00	5,478	197.51	0.00
26.70	0.00	5,478	197.51	0.00
26.80	0.00	5,478	197.51	0.00
26.90	0.00	5,478	197.51	0.00
27.00	0.00	5,478	197.51	0.00
27.10	0.00	5,478	197.51	0.00
27.20	0.00	5,478	197.51	0.00
27.30	0.00	5,478	197.51	0.00
27.40	0.00	5,478	197.51	0.00
27.50	0.00	5,478	197.51	0.00
27.60	0.00	5,478	197.51	0.00
27.70	0.00	5,478	197.51	0.00
27.80	0.00	5,478	197.51	0.00
27.90	0.00	5,478	197.51	0.00
28.00	0.00	5,478	197.51	0.00
28.10	0.00	5,478	197.51	0.00
28.20	0.00	5,478	197.51	0.00
28.30	0.00	5,478	197.51	0.00
28.40	0.00	5,478	197.51	0.00
28.50	0.00	5,478	197.51	0.00
28.60	0.00	5,478	197.51	0.00
28.70	0.00	5,478	197.51	0.00
28.80	0.00	5,478	197.51	0.00
28.90	0.00	5,478	197.51	0.00
29.00	0.00	5,478	197.51	0.00
29.10	0.00	5,478	197.51	0.00
29.20	0.00	5,478	197.51	0.00
29.30	0.00	5,478	197.51	0.00
29.40	0.00	5,478	197.51	0.00
29.50	0.00	5,478	197.51	0.00
29.60	0.00	5,478	197.51	0.00
29.70	0.00	5,478	197.51	0.00
29.80	0.00	5,478	197.51	0.00
29.90	0.00	5,478	197.51	0.00
30.00	0.00	5,478	197.51	0.00
30.10	0.00	5,478	197.51	0.00
30.20	0.00	5,478	197.51	0.00
30.30	0.00	5,478	197.51	0.00
30.40	0.00	5,478	197.51	0.00
30.50	0.00	5,478	197.51	0.00
30.60	0.00	5,478	197.51	0.00
30.70	0.00	5,478	197.51	0.00
30.80	0.00	5,478	197.51	0.00
30.90	0.00	5,478	197.51	0.00
31.00	0.00	5,478	197.51	0.00
31.10	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,478	197.51	0.00
31.30	0.00	5,478	197.51	0.00
31.40	0.00	5,478	197.51	0.00
31.50	0.00	5,478	197.51	0.00
31.60	0.00	5,478	197.51	0.00
31.70	0.00	5,478	197.51	0.00
31.80	0.00	5,478	197.51	0.00
31.90	0.00	5,478	197.51	0.00
32.00	0.00	5,478	197.51	0.00
32.10	0.00	5,478	197.51	0.00
32.20	0.00	5,478	197.51	0.00
32.30	0.00	5,478	197.51	0.00
32.40	0.00	5,478	197.51	0.00
32.50	0.00	5,478	197.51	0.00
32.60	0.00	5,478	197.51	0.00
32.70	0.00	5,478	197.51	0.00
32.80	0.00	5,478	197.51	0.00
32.90	0.00	5,478	197.51	0.00
33.00	0.00	5,478	197.51	0.00
33.10	0.00	5,478	197.51	0.00
33.20	0.00	5,478	197.51	0.00
33.30	0.00	5,478	197.51	0.00
33.40	0.00	5,478	197.51	0.00
33.50	0.00	5,478	197.51	0.00
33.60	0.00	5,478	197.51	0.00
33.70	0.00	5,478	197.51	0.00
33.80	0.00	5,478	197.51	0.00
33.90	0.00	5,478	197.51	0.00
34.00	0.00	5,478	197.51	0.00
34.10	0.00	5,478	197.51	0.00
34.20	0.00	5,478	197.51	0.00
34.30	0.00	5,478	197.51	0.00
34.40	0.00	5,478	197.51	0.00
34.50	0.00	5,478	197.51	0.00
34.60	0.00	5,478	197.51	0.00
34.70	0.00	5,478	197.51	0.00
34.80	0.00	5,478	197.51	0.00
34.90	0.00	5,478	197.51	0.00
35.00	0.00	5,478	197.51	0.00
35.10	0.00	5,478	197.51	0.00
35.20	0.00	5,478	197.51	0.00
35.30	0.00	5,478	197.51	0.00
35.40	0.00	5,478	197.51	0.00
35.50	0.00	5,478	197.51	0.00
35.60	0.00	5,478	197.51	0.00
35.70	0.00	5,478	197.51	0.00
35.80	0.00	5,478	197.51	0.00
35.90	0.00	5,478	197.51	0.00
36.00	0.00	5,478	197.51	0.00
36.10	0.00	5,478	197.51	0.00
36.20	0.00	5,478	197.51	0.00
36.30	0.00	5,478	197.51	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,478	197.51	0.00
36.50	0.00	5,478	197.51	0.00
36.60	0.00	5,478	197.51	0.00
36.70	0.00	5,478	197.51	0.00
36.80	0.00	5,478	197.51	0.00
36.90	0.00	5,478	197.51	0.00
37.00	0.00	5,478	197.51	0.00
37.10	0.00	5,478	197.51	0.00
37.20	0.00	5,478	197.51	0.00
37.30	0.00	5,478	197.51	0.00
37.40	0.00	5,478	197.51	0.00
37.50	0.00	5,478	197.51	0.00
37.60	0.00	5,478	197.51	0.00
37.70	0.00	5,478	197.51	0.00
37.80	0.00	5,478	197.51	0.00
37.90	0.00	5,478	197.51	0.00
38.00	0.00	5,478	197.51	0.00
38.10	0.00	5,478	197.51	0.00
38.20	0.00	5,478	197.51	0.00
38.30	0.00	5,478	197.51	0.00
38.40	0.00	5,478	197.51	0.00
38.50	0.00	5,478	197.51	0.00
38.60	0.00	5,478	197.51	0.00
38.70	0.00	5,478	197.51	0.00
38.80	0.00	5,478	197.51	0.00
38.90	0.00	5,478	197.51	0.00
39.00	0.00	5,478	197.51	0.00
39.10	0.00	5,478	197.51	0.00
39.20	0.00	5,478	197.51	0.00
39.30	0.00	5,478	197.51	0.00
39.40	0.00	5,478	197.51	0.00
39.50	0.00	5,478	197.51	0.00
39.60	0.00	5,478	197.51	0.00
39.70	0.00	5,478	197.51	0.00
39.80	0.00	5,478	197.51	0.00
39.90	0.00	5,478	197.51	0.00
40.00	0.00	5,478	197.51	0.00

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.00	197.56	0.00
196.01	0.00	196.53	0.00	197.05	0.00	197.57	0.00
196.02	0.00	196.54	0.00	197.06	0.00	197.58	0.00
196.03	0.00	196.55	0.00	197.07	0.00	197.59	0.00
196.04	0.00	196.56	0.00	197.08	0.00	197.60	0.00
196.05	0.00	196.57	0.00	197.09	0.00	197.61	0.00
196.06	0.00	196.58	0.00	197.10	0.00	197.62	0.00
196.07	0.00	196.59	0.00	197.11	0.00	197.63	0.00
196.08	0.00	196.60	0.00	197.12	0.00	197.64	0.00
196.09	0.00	196.61	0.00	197.13	0.00	197.65	0.00
196.10	0.00	196.62	0.00	197.14	0.00	197.66	0.00
196.11	0.00	196.63	0.00	197.15	0.00	197.67	0.00
196.12	0.00	196.64	0.00	197.16	0.00	197.68	0.00
196.13	0.00	196.65	0.00	197.17	0.00	197.69	0.00
196.14	0.00	196.66	0.00	197.18	0.00	197.70	0.00
196.15	0.00	196.67	0.00	197.19	0.00	197.71	0.00
196.16	0.00	196.68	0.00	197.20	0.00	197.72	0.00
196.17	0.00	196.69	0.00	197.21	0.00	197.73	0.00
196.18	0.00	196.70	0.00	197.22	0.00	197.74	0.00
196.19	0.00	196.71	0.00	197.23	0.00	197.75	0.00
196.20	0.00	196.72	0.00	197.24	0.00	197.76	0.00
196.21	0.00	196.73	0.00	197.25	0.00	197.77	0.00
196.22	0.00	196.74	0.00	197.26	0.00	197.78	0.00
196.23	0.00	196.75	0.00	197.27	0.00	197.79	0.00
196.24	0.00	196.76	0.00	197.28	0.00	197.80	0.00
196.25	0.00	196.77	0.00	197.29	0.00	197.81	0.00
196.26	0.00	196.78	0.00	197.30	0.00	197.82	0.00
196.27	0.00	196.79	0.00	197.31	0.00	197.83	0.00
196.28	0.00	196.80	0.00	197.32	0.00	197.84	0.00
196.29	0.00	196.81	0.00	197.33	0.00	197.85	0.00
196.30	0.00	196.82	0.00	197.34	0.00	197.86	0.00
196.31	0.00	196.83	0.00	197.35	0.00	197.87	0.00
196.32	0.00	196.84	0.00	197.36	0.00	197.88	0.00
196.33	0.00	196.85	0.00	197.37	0.00	197.89	0.00
196.34	0.00	196.86	0.00	197.38	0.00	197.90	0.00
196.35	0.00	196.87	0.00	197.39	0.00	197.91	0.00
196.36	0.00	196.88	0.00	197.40	0.00	197.92	0.00
196.37	0.00	196.89	0.00	197.41	0.00	197.93	0.00
196.38	0.00	196.90	0.00	197.42	0.00	197.94	0.00
196.39	0.00	196.91	0.00	197.43	0.00	197.95	0.00
196.40	0.00	196.92	0.00	197.44	0.00	197.96	0.00
196.41	0.00	196.93	0.00	197.45	0.00	197.97	0.00
196.42	0.00	196.94	0.00	197.46	0.00	197.98	0.00
196.43	0.00	196.95	0.00	197.47	0.00	197.99	0.00
196.44	0.00	196.96	0.00	197.48	0.00	198.00	0.00
196.45	0.00	196.97	0.00	197.49	0.00	198.01	0.00
196.46	0.00	196.98	0.00	197.50	0.00	198.02	0.00
196.47	0.00	196.99	0.00	197.51	0.00	198.03	0.00
196.48	0.00	197.00	0.00	197.52	0.00	198.04	0.00
196.49	0.00	197.01	0.00	197.53	0.00	198.05	0.00
196.50	0.00	197.02	0.00	197.54	0.00	198.06	0.00
196.51	0.00	197.03	0.00	197.55	0.00	198.07	0.00

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.00	198.60	0.02	199.12	0.66	199.64	6.65
198.09	0.00	198.61	0.02	199.13	0.73	199.65	6.80
198.10	0.00	198.62	0.02	199.14	0.80	199.66	6.95
198.11	0.00	198.63	0.03	199.15	0.88	199.67	7.10
198.12	0.00	198.64	0.03	199.16	0.95	199.68	7.26
198.13	0.00	198.65	0.03	199.17	1.03	199.69	7.41
198.14	0.00	198.66	0.04	199.18	1.11	199.70	7.56
198.15	0.00	198.67	0.04	199.19	1.20	199.71	7.72
198.16	0.00	198.68	0.05	199.20	1.28	199.72	7.88
198.17	0.00	198.69	0.05	199.21	1.37	199.73	8.03
198.18	0.00	198.70	0.05	199.22	1.46	199.74	8.19
198.19	0.00	198.71	0.05	199.23	1.56	199.75	8.35
198.20	0.00	198.72	0.06	199.24	1.65	199.76	8.51
198.21	0.00	198.73	0.06	199.25	1.75	199.77	8.67
198.22	0.00	198.74	0.06	199.26	1.84	199.78	8.84
198.23	0.00	198.75	0.06	199.27	1.94	199.79	9.00
198.24	0.00	198.76	0.06	199.28	2.05	199.80	9.16
198.25	0.00	198.77	0.07	199.29	2.15	199.81	9.33
198.26	0.00	198.78	0.07	199.30	2.25	199.82	9.50
198.27	0.00	198.79	0.07	199.31	2.36	199.83	9.66
198.28	0.00	198.80	0.07	199.32	2.47	199.84	9.83
198.29	0.00	198.81	0.07	199.33	2.58	199.85	10.00
198.30	0.00	198.82	0.08	199.34	2.69	199.86	10.17
198.31	0.00	198.83	0.08	199.35	2.80	199.87	10.34
198.32	0.00	198.84	0.08	199.36	2.92	199.88	10.51
198.33	0.00	198.85	0.08	199.37	3.03	199.89	10.68
198.34	0.00	198.86	0.08	199.38	3.15	199.90	10.85
198.35	0.00	198.87	0.08	199.39	3.27	199.91	11.03
198.36	0.00	198.88	0.09	199.40	3.39	199.92	11.20
198.37	0.00	198.89	0.09	199.41	3.51	199.93	11.37
198.38	0.00	198.90	0.09	199.42	3.63	199.94	11.55
198.39	0.00	198.91	0.09	199.43	3.76	199.95	11.73
198.40	0.00	198.92	0.09	199.44	3.88	199.96	12.02
198.41	0.00	198.93	0.09	199.45	4.01	199.97	12.41
198.42	0.00	198.94	0.10	199.46	4.14	199.98	12.87
198.43	0.00	198.95	0.10	199.47	4.27	199.99	13.38
198.44	0.00	198.96	0.10	199.48	4.40	200.00	13.93
198.45	0.00	198.97	0.10	199.49	4.53		
198.46	0.00	198.98	0.10	199.50	4.66		
198.47	0.00	198.99	0.10	199.51	4.80		
198.48	0.00	199.00	0.10	199.52	4.93		
198.49	0.00	199.01	0.12	199.53	5.07		
198.50	0.00	199.02	0.14	199.54	5.21		
198.51	0.00	199.03	0.17	199.55	5.35		
198.52	0.00	199.04	0.21	199.56	5.49		
198.53	0.00	199.05	0.26	199.57	5.63		
198.54	0.00	199.06	0.30	199.58	5.77		
198.55	0.00	199.07	0.35	199.59	5.92		
198.56	0.01	199.08	0.41	199.60	6.06		
198.57	0.01	199.09	0.47	199.61	6.21		
198.58	0.01	199.10	0.53	199.62	6.35		
198.59	0.01	199.11	0.59	199.63	6.50		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	3,221	0	196.52	3,504	1,748
196.01	3,226	32	196.53	3,509	1,784
196.02	3,232	65	196.54	3,515	1,819
196.03	3,237	97	196.55	3,520	1,854
196.04	3,243	129	196.56	3,526	1,889
196.05	3,248	162	196.57	3,531	1,924
196.06	3,254	194	196.58	3,537	1,960
196.07	3,259	227	196.59	3,542	1,995
196.08	3,265	259	196.60	3,547	2,031
196.09	3,270	292	196.61	3,553	2,066
196.10	3,275	325	196.62	3,558	2,102
196.11	3,281	358	196.63	3,564	2,137
196.12	3,286	390	196.64	3,569	2,173
196.13	3,292	423	196.65	3,575	2,209
196.14	3,297	456	196.66	3,580	2,244
196.15	3,303	489	196.67	3,585	2,280
196.16	3,308	522	196.68	3,591	2,316
196.17	3,313	555	196.69	3,596	2,352
196.18	3,319	589	196.70	3,602	2,388
196.19	3,324	622	196.71	3,607	2,424
196.20	3,330	655	196.72	3,613	2,460
196.21	3,335	688	196.73	3,618	2,496
196.22	3,341	722	196.74	3,624	2,532
196.23	3,346	755	196.75	3,629	2,569
196.24	3,352	789	196.76	3,634	2,605
196.25	3,357	822	196.77	3,640	2,641
196.26	3,362	856	196.78	3,645	2,678
196.27	3,368	889	196.79	3,651	2,714
196.28	3,373	923	196.80	3,656	2,751
196.29	3,379	957	196.81	3,662	2,787
196.30	3,384	991	196.82	3,667	2,824
196.31	3,390	1,025	196.83	3,673	2,861
196.32	3,395	1,059	196.84	3,678	2,898
196.33	3,401	1,093	196.85	3,683	2,934
196.34	3,406	1,127	196.86	3,689	2,971
196.35	3,411	1,161	196.87	3,694	3,008
196.36	3,417	1,195	196.88	3,700	3,045
196.37	3,422	1,229	196.89	3,705	3,082
196.38	3,428	1,263	196.90	3,711	3,119
196.39	3,433	1,298	196.91	3,716	3,156
196.40	3,439	1,332	196.92	3,721	3,194
196.41	3,444	1,366	196.93	3,727	3,231
196.42	3,449	1,401	196.94	3,732	3,268
196.43	3,455	1,435	196.95	3,738	3,305
196.44	3,460	1,470	196.96	3,743	3,343
196.45	3,466	1,505	196.97	3,749	3,380
196.46	3,471	1,539	196.98	3,754	3,418
196.47	3,477	1,574	196.99	3,760	3,455
196.48	3,482	1,609	197.00	3,765	3,493
196.49	3,488	1,644	197.01	3,771	3,531
196.50	3,493	1,679	197.02	3,776	3,568
196.51	3,498	1,713	197.03	3,782	3,606

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	3,788	3,644	197.56	4,083	5,690
197.05	3,793	3,682	197.57	4,089	5,731
197.06	3,799	3,720	197.58	4,094	5,772
197.07	3,805	3,758	197.59	4,100	5,813
197.08	3,810	3,796	197.60	4,106	5,854
197.09	3,816	3,834	197.61	4,111	5,895
197.10	3,822	3,872	197.62	4,117	5,936
197.11	3,827	3,911	197.63	4,123	5,978
197.12	3,833	3,949	197.64	4,129	6,019
197.13	3,839	3,987	197.65	4,134	6,060
197.14	3,845	4,026	197.66	4,140	6,102
197.15	3,850	4,064	197.67	4,146	6,143
197.16	3,856	4,103	197.68	4,151	6,185
197.17	3,862	4,141	197.69	4,157	6,226
197.18	3,867	4,180	197.70	4,163	6,268
197.19	3,873	4,219	197.71	4,168	6,309
197.20	3,879	4,257	197.72	4,174	6,351
197.21	3,884	4,296	197.73	4,180	6,393
197.22	3,890	4,335	197.74	4,185	6,435
197.23	3,896	4,374	197.75	4,191	6,477
197.24	3,901	4,413	197.76	4,197	6,518
197.25	3,907	4,452	197.77	4,202	6,560
197.26	3,913	4,491	197.78	4,208	6,602
197.27	3,918	4,530	197.79	4,214	6,645
197.28	3,924	4,569	197.80	4,219	6,687
197.29	3,930	4,609	197.81	4,225	6,729
197.30	3,935	4,648	197.82	4,231	6,771
197.31	3,941	4,687	197.83	4,236	6,814
197.32	3,947	4,727	197.84	4,242	6,856
197.33	3,952	4,766	197.85	4,248	6,898
197.34	3,958	4,806	197.86	4,253	6,941
197.35	3,964	4,846	197.87	4,259	6,984
197.36	3,969	4,885	197.88	4,265	7,026
197.37	3,975	4,925	197.89	4,271	7,069
197.38	3,981	4,965	197.90	4,276	7,112
197.39	3,987	5,005	197.91	4,282	7,154
197.40	3,992	5,044	197.92	4,288	7,197
197.41	3,998	5,084	197.93	4,293	7,240
197.42	4,004	5,124	197.94	4,299	7,283
197.43	4,009	5,164	197.95	4,305	7,326
197.44	4,015	5,205	197.96	4,310	7,369
197.45	4,021	5,245	197.97	4,316	7,412
197.46	4,026	5,285	197.98	4,322	7,455
197.47	4,032	5,325	197.99	4,327	7,499
197.48	4,038	5,366	198.00	4,333	7,542
197.49	4,043	5,406	198.01	4,339	7,585
197.50	4,049	5,447	198.02	4,345	7,629
197.51	4,055	5,487	198.03	4,351	7,672
197.52	4,060	5,528	198.04	4,357	7,716
197.53	4,066	5,568	198.05	4,363	7,759
197.54	4,072	5,609	198.06	4,369	7,803
197.55	4,077	5,650	198.07	4,375	7,847

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	4,381	7,891	198.60	4,691	10,249
198.09	4,387	7,934	198.61	4,697	10,296
198.10	4,393	7,978	198.62	4,703	10,343
198.11	4,399	8,022	198.63	4,709	10,390
198.12	4,405	8,066	198.64	4,715	10,437
198.13	4,411	8,110	198.65	4,721	10,485
198.14	4,417	8,154	198.66	4,727	10,532
198.15	4,423	8,199	198.67	4,733	10,579
198.16	4,429	8,243	198.68	4,739	10,626
198.17	4,434	8,287	198.69	4,745	10,674
198.18	4,440	8,332	198.70	4,751	10,721
198.19	4,446	8,376	198.71	4,757	10,769
198.20	4,452	8,421	198.72	4,763	10,817
198.21	4,458	8,465	198.73	4,769	10,864
198.22	4,464	8,510	198.74	4,775	10,912
198.23	4,470	8,554	198.75	4,781	10,960
198.24	4,476	8,599	198.76	4,787	11,007
198.25	4,482	8,644	198.77	4,793	11,055
198.26	4,488	8,689	198.78	4,799	11,103
198.27	4,494	8,734	198.79	4,805	11,151
198.28	4,500	8,779	198.80	4,811	11,199
198.29	4,506	8,824	198.81	4,817	11,248
198.30	4,512	8,869	198.82	4,823	11,296
198.31	4,518	8,914	198.83	4,829	11,344
198.32	4,524	8,959	198.84	4,834	11,392
198.33	4,530	9,004	198.85	4,840	11,441
198.34	4,536	9,050	198.86	4,846	11,489
198.35	4,542	9,095	198.87	4,852	11,538
198.36	4,548	9,141	198.88	4,858	11,586
198.37	4,554	9,186	198.89	4,864	11,635
198.38	4,560	9,232	198.90	4,870	11,683
198.39	4,566	9,277	198.91	4,876	11,732
198.40	4,572	9,323	198.92	4,882	11,781
198.41	4,578	9,369	198.93	4,888	11,830
198.42	4,584	9,415	198.94	4,894	11,879
198.43	4,590	9,460	198.95	4,900	11,928
198.44	4,596	9,506	198.96	4,906	11,977
198.45	4,602	9,552	198.97	4,912	12,026
198.46	4,608	9,598	198.98	4,918	12,075
198.47	4,614	9,644	198.99	4,924	12,124
198.48	4,620	9,691	199.00	4,930	12,174
198.49	4,626	9,737	199.01	4,936	12,223
198.50	4,632	9,783	199.02	4,943	12,272
198.51	4,637	9,829	199.03	4,949	12,322
198.52	4,643	9,876	199.04	4,955	12,371
198.53	4,649	9,922	199.05	4,961	12,421
198.54	4,655	9,969	199.06	4,968	12,470
198.55	4,661	10,015	199.07	4,974	12,520
198.56	4,667	10,062	199.08	4,980	12,570
198.57	4,673	10,109	199.09	4,987	12,620
198.58	4,679	10,156	199.10	4,993	12,670
198.59	4,685	10,202	199.11	4,999	12,720

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	5,005	12,770	199.64	5,333	15,458
199.13	5,012	12,820	199.65	5,339	15,511
199.14	5,018	12,870	199.66	5,345	15,564
199.15	5,024	12,920	199.67	5,351	15,618
199.16	5,031	12,970	199.68	5,358	15,671
199.17	5,037	13,021	199.69	5,364	15,725
199.18	5,043	13,071	199.70	5,370	15,779
199.19	5,050	13,122	199.71	5,377	15,832
199.20	5,056	13,172	199.72	5,383	15,886
199.21	5,062	13,223	199.73	5,389	15,940
199.22	5,068	13,273	199.74	5,395	15,994
199.23	5,075	13,324	199.75	5,402	16,048
199.24	5,081	13,375	199.76	5,408	16,102
199.25	5,087	13,426	199.77	5,414	16,156
199.26	5,094	13,477	199.78	5,421	16,210
199.27	5,100	13,528	199.79	5,427	16,264
199.28	5,106	13,579	199.80	5,433	16,319
199.29	5,112	13,630	199.81	5,439	16,373
199.30	5,119	13,681	199.82	5,446	16,428
199.31	5,125	13,732	199.83	5,452	16,482
199.32	5,131	13,783	199.84	5,458	16,537
199.33	5,138	13,835	199.85	5,465	16,591
199.34	5,144	13,886	199.86	5,471	16,646
199.35	5,150	13,938	199.87	5,477	16,701
199.36	5,156	13,989	199.88	5,484	16,755
199.37	5,163	14,041	199.89	5,490	16,810
199.38	5,169	14,092	199.90	5,496	16,865
199.39	5,175	14,144	199.91	5,502	16,920
199.40	5,182	14,196	199.92	5,509	16,975
199.41	5,188	14,248	199.93	5,515	17,030
199.42	5,194	14,300	199.94	5,521	17,086
199.43	5,200	14,352	199.95	5,528	17,141
199.44	5,207	14,404	199.96	5,534	17,196
199.45	5,213	14,456	199.97	5,540	17,252
199.46	5,219	14,508	199.98	5,546	17,307
199.47	5,226	14,560	199.99	5,553	17,362
199.48	5,232	14,612	200.00	5,559	17,418
199.49	5,238	14,665			
199.50	5,245	14,717			
199.51	5,251	14,770			
199.52	5,257	14,822			
199.53	5,263	14,875			
199.54	5,270	14,927			
199.55	5,276	14,980			
199.56	5,282	15,033			
199.57	5,289	15,086			
199.58	5,295	15,139			
199.59	5,301	15,192			
199.60	5,307	15,245			
199.61	5,314	15,298			
199.62	5,320	15,351			
199.63	5,326	15,404			

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 0.51" for WQ Storm event
 Inflow = 2.25 cfs @ 1.15 hrs, Volume= 0.080 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 179.17' @ 2.60 hrs Surf.Area= 3,417 sf Storage= 3,477 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

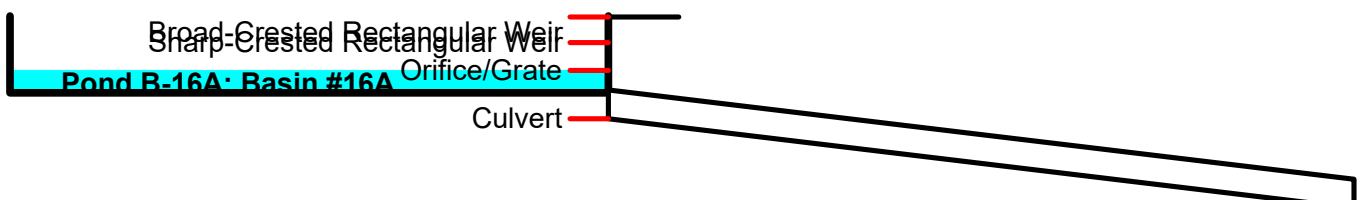
Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	16,318 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	2,543	0	0
179.00	3,287	2,915	2,915
180.00	4,059	3,673	6,588
181.00	4,858	4,459	11,047
182.00	5,685	5,272	16,318

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	18.0" Round Culvert L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 ' S Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.62'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	181.95'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

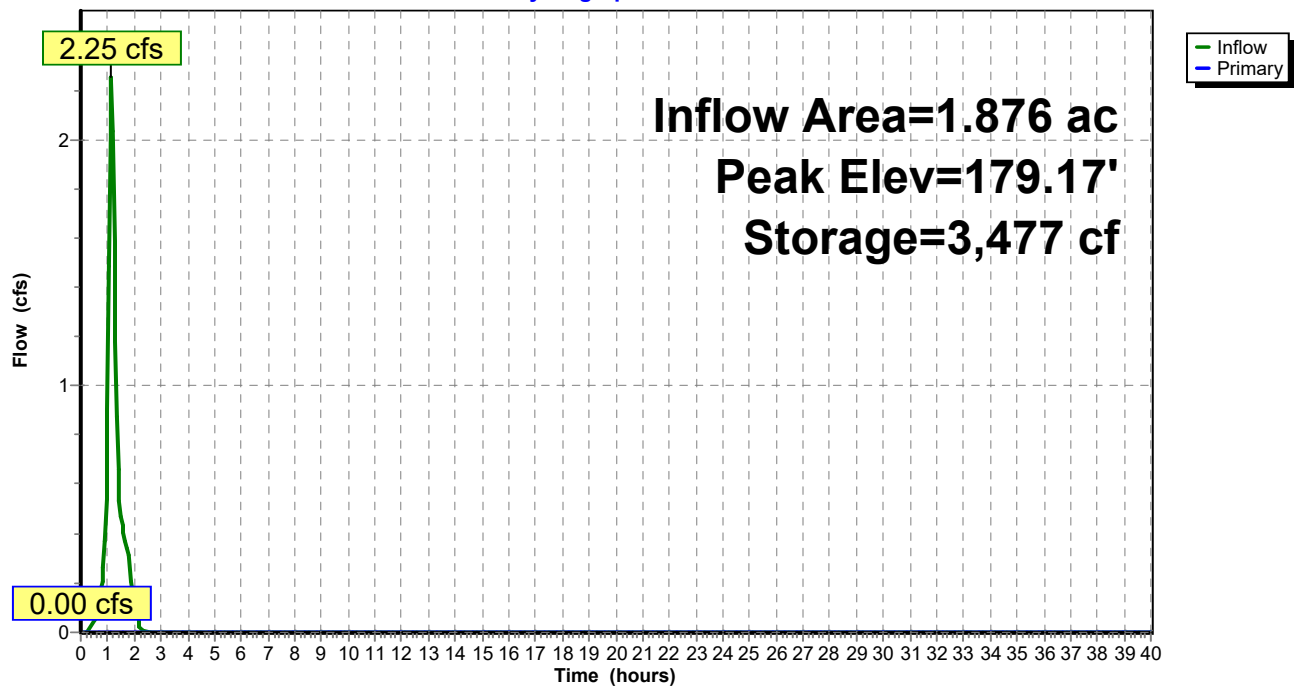
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=178.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-16A: Basin #16A

Hydrograph



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.04	7	178.00	0.00
0.60	0.09	29	178.01	0.00
0.70	0.15	73	178.03	0.00
0.80	0.21	137	178.05	0.00
0.90	0.37	236	178.09	0.00
1.00	0.90	448	178.17	0.00
1.10	2.02	979	178.37	0.00
1.20	2.04	1,750	178.63	0.00
1.30	1.18	2,324	178.82	0.00
1.40	0.66	2,647	178.92	0.00
1.50	0.47	2,845	178.98	0.00
1.60	0.40	3,002	179.03	0.00
1.70	0.34	3,135	179.07	0.00
1.80	0.32	3,255	179.10	0.00
1.90	0.21	3,352	179.13	0.00
2.00	0.13	3,411	179.15	0.00
2.10	0.09	3,452	179.16	0.00
2.20	0.02	3,471	179.17	0.00
2.30	0.01	3,476	179.17	0.00
2.40	0.00	3,477	179.17	0.00
2.50	0.00	3,477	179.17	0.00
2.60	0.00	3,477	179.17	0.00
2.70	0.00	3,477	179.17	0.00
2.80	0.00	3,477	179.17	0.00
2.90	0.00	3,477	179.17	0.00
3.00	0.00	3,477	179.17	0.00
3.10	0.00	3,477	179.17	0.00
3.20	0.00	3,477	179.17	0.00
3.30	0.00	3,477	179.17	0.00
3.40	0.00	3,477	179.17	0.00
3.50	0.00	3,477	179.17	0.00
3.60	0.00	3,477	179.17	0.00
3.70	0.00	3,477	179.17	0.00
3.80	0.00	3,477	179.17	0.00
3.90	0.00	3,477	179.17	0.00
4.00	0.00	3,477	179.17	0.00
4.10	0.00	3,477	179.17	0.00
4.20	0.00	3,477	179.17	0.00
4.30	0.00	3,477	179.17	0.00
4.40	0.00	3,477	179.17	0.00
4.50	0.00	3,477	179.17	0.00
4.60	0.00	3,477	179.17	0.00
4.70	0.00	3,477	179.17	0.00
4.80	0.00	3,477	179.17	0.00
4.90	0.00	3,477	179.17	0.00
5.00	0.00	3,477	179.17	0.00
5.10	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,477	179.17	0.00
5.30	0.00	3,477	179.17	0.00
5.40	0.00	3,477	179.17	0.00
5.50	0.00	3,477	179.17	0.00
5.60	0.00	3,477	179.17	0.00
5.70	0.00	3,477	179.17	0.00
5.80	0.00	3,477	179.17	0.00
5.90	0.00	3,477	179.17	0.00
6.00	0.00	3,477	179.17	0.00
6.10	0.00	3,477	179.17	0.00
6.20	0.00	3,477	179.17	0.00
6.30	0.00	3,477	179.17	0.00
6.40	0.00	3,477	179.17	0.00
6.50	0.00	3,477	179.17	0.00
6.60	0.00	3,477	179.17	0.00
6.70	0.00	3,477	179.17	0.00
6.80	0.00	3,477	179.17	0.00
6.90	0.00	3,477	179.17	0.00
7.00	0.00	3,477	179.17	0.00
7.10	0.00	3,477	179.17	0.00
7.20	0.00	3,477	179.17	0.00
7.30	0.00	3,477	179.17	0.00
7.40	0.00	3,477	179.17	0.00
7.50	0.00	3,477	179.17	0.00
7.60	0.00	3,477	179.17	0.00
7.70	0.00	3,477	179.17	0.00
7.80	0.00	3,477	179.17	0.00
7.90	0.00	3,477	179.17	0.00
8.00	0.00	3,477	179.17	0.00
8.10	0.00	3,477	179.17	0.00
8.20	0.00	3,477	179.17	0.00
8.30	0.00	3,477	179.17	0.00
8.40	0.00	3,477	179.17	0.00
8.50	0.00	3,477	179.17	0.00
8.60	0.00	3,477	179.17	0.00
8.70	0.00	3,477	179.17	0.00
8.80	0.00	3,477	179.17	0.00
8.90	0.00	3,477	179.17	0.00
9.00	0.00	3,477	179.17	0.00
9.10	0.00	3,477	179.17	0.00
9.20	0.00	3,477	179.17	0.00
9.30	0.00	3,477	179.17	0.00
9.40	0.00	3,477	179.17	0.00
9.50	0.00	3,477	179.17	0.00
9.60	0.00	3,477	179.17	0.00
9.70	0.00	3,477	179.17	0.00
9.80	0.00	3,477	179.17	0.00
9.90	0.00	3,477	179.17	0.00
10.00	0.00	3,477	179.17	0.00
10.10	0.00	3,477	179.17	0.00
10.20	0.00	3,477	179.17	0.00
10.30	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,477	179.17	0.00
10.50	0.00	3,477	179.17	0.00
10.60	0.00	3,477	179.17	0.00
10.70	0.00	3,477	179.17	0.00
10.80	0.00	3,477	179.17	0.00
10.90	0.00	3,477	179.17	0.00
11.00	0.00	3,477	179.17	0.00
11.10	0.00	3,477	179.17	0.00
11.20	0.00	3,477	179.17	0.00
11.30	0.00	3,477	179.17	0.00
11.40	0.00	3,477	179.17	0.00
11.50	0.00	3,477	179.17	0.00
11.60	0.00	3,477	179.17	0.00
11.70	0.00	3,477	179.17	0.00
11.80	0.00	3,477	179.17	0.00
11.90	0.00	3,477	179.17	0.00
12.00	0.00	3,477	179.17	0.00
12.10	0.00	3,477	179.17	0.00
12.20	0.00	3,477	179.17	0.00
12.30	0.00	3,477	179.17	0.00
12.40	0.00	3,477	179.17	0.00
12.50	0.00	3,477	179.17	0.00
12.60	0.00	3,477	179.17	0.00
12.70	0.00	3,477	179.17	0.00
12.80	0.00	3,477	179.17	0.00
12.90	0.00	3,477	179.17	0.00
13.00	0.00	3,477	179.17	0.00
13.10	0.00	3,477	179.17	0.00
13.20	0.00	3,477	179.17	0.00
13.30	0.00	3,477	179.17	0.00
13.40	0.00	3,477	179.17	0.00
13.50	0.00	3,477	179.17	0.00
13.60	0.00	3,477	179.17	0.00
13.70	0.00	3,477	179.17	0.00
13.80	0.00	3,477	179.17	0.00
13.90	0.00	3,477	179.17	0.00
14.00	0.00	3,477	179.17	0.00
14.10	0.00	3,477	179.17	0.00
14.20	0.00	3,477	179.17	0.00
14.30	0.00	3,477	179.17	0.00
14.40	0.00	3,477	179.17	0.00
14.50	0.00	3,477	179.17	0.00
14.60	0.00	3,477	179.17	0.00
14.70	0.00	3,477	179.17	0.00
14.80	0.00	3,477	179.17	0.00
14.90	0.00	3,477	179.17	0.00
15.00	0.00	3,477	179.17	0.00
15.10	0.00	3,477	179.17	0.00
15.20	0.00	3,477	179.17	0.00
15.30	0.00	3,477	179.17	0.00
15.40	0.00	3,477	179.17	0.00
15.50	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,477	179.17	0.00
15.70	0.00	3,477	179.17	0.00
15.80	0.00	3,477	179.17	0.00
15.90	0.00	3,477	179.17	0.00
16.00	0.00	3,477	179.17	0.00
16.10	0.00	3,477	179.17	0.00
16.20	0.00	3,477	179.17	0.00
16.30	0.00	3,477	179.17	0.00
16.40	0.00	3,477	179.17	0.00
16.50	0.00	3,477	179.17	0.00
16.60	0.00	3,477	179.17	0.00
16.70	0.00	3,477	179.17	0.00
16.80	0.00	3,477	179.17	0.00
16.90	0.00	3,477	179.17	0.00
17.00	0.00	3,477	179.17	0.00
17.10	0.00	3,477	179.17	0.00
17.20	0.00	3,477	179.17	0.00
17.30	0.00	3,477	179.17	0.00
17.40	0.00	3,477	179.17	0.00
17.50	0.00	3,477	179.17	0.00
17.60	0.00	3,477	179.17	0.00
17.70	0.00	3,477	179.17	0.00
17.80	0.00	3,477	179.17	0.00
17.90	0.00	3,477	179.17	0.00
18.00	0.00	3,477	179.17	0.00
18.10	0.00	3,477	179.17	0.00
18.20	0.00	3,477	179.17	0.00
18.30	0.00	3,477	179.17	0.00
18.40	0.00	3,477	179.17	0.00
18.50	0.00	3,477	179.17	0.00
18.60	0.00	3,477	179.17	0.00
18.70	0.00	3,477	179.17	0.00
18.80	0.00	3,477	179.17	0.00
18.90	0.00	3,477	179.17	0.00
19.00	0.00	3,477	179.17	0.00
19.10	0.00	3,477	179.17	0.00
19.20	0.00	3,477	179.17	0.00
19.30	0.00	3,477	179.17	0.00
19.40	0.00	3,477	179.17	0.00
19.50	0.00	3,477	179.17	0.00
19.60	0.00	3,477	179.17	0.00
19.70	0.00	3,477	179.17	0.00
19.80	0.00	3,477	179.17	0.00
19.90	0.00	3,477	179.17	0.00
20.00	0.00	3,477	179.17	0.00
20.10	0.00	3,477	179.17	0.00
20.20	0.00	3,477	179.17	0.00
20.30	0.00	3,477	179.17	0.00
20.40	0.00	3,477	179.17	0.00
20.50	0.00	3,477	179.17	0.00
20.60	0.00	3,477	179.17	0.00
20.70	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,477	179.17	0.00
20.90	0.00	3,477	179.17	0.00
21.00	0.00	3,477	179.17	0.00
21.10	0.00	3,477	179.17	0.00
21.20	0.00	3,477	179.17	0.00
21.30	0.00	3,477	179.17	0.00
21.40	0.00	3,477	179.17	0.00
21.50	0.00	3,477	179.17	0.00
21.60	0.00	3,477	179.17	0.00
21.70	0.00	3,477	179.17	0.00
21.80	0.00	3,477	179.17	0.00
21.90	0.00	3,477	179.17	0.00
22.00	0.00	3,477	179.17	0.00
22.10	0.00	3,477	179.17	0.00
22.20	0.00	3,477	179.17	0.00
22.30	0.00	3,477	179.17	0.00
22.40	0.00	3,477	179.17	0.00
22.50	0.00	3,477	179.17	0.00
22.60	0.00	3,477	179.17	0.00
22.70	0.00	3,477	179.17	0.00
22.80	0.00	3,477	179.17	0.00
22.90	0.00	3,477	179.17	0.00
23.00	0.00	3,477	179.17	0.00
23.10	0.00	3,477	179.17	0.00
23.20	0.00	3,477	179.17	0.00
23.30	0.00	3,477	179.17	0.00
23.40	0.00	3,477	179.17	0.00
23.50	0.00	3,477	179.17	0.00
23.60	0.00	3,477	179.17	0.00
23.70	0.00	3,477	179.17	0.00
23.80	0.00	3,477	179.17	0.00
23.90	0.00	3,477	179.17	0.00
24.00	0.00	3,477	179.17	0.00
24.10	0.00	3,477	179.17	0.00
24.20	0.00	3,477	179.17	0.00
24.30	0.00	3,477	179.17	0.00
24.40	0.00	3,477	179.17	0.00
24.50	0.00	3,477	179.17	0.00
24.60	0.00	3,477	179.17	0.00
24.70	0.00	3,477	179.17	0.00
24.80	0.00	3,477	179.17	0.00
24.90	0.00	3,477	179.17	0.00
25.00	0.00	3,477	179.17	0.00
25.10	0.00	3,477	179.17	0.00
25.20	0.00	3,477	179.17	0.00
25.30	0.00	3,477	179.17	0.00
25.40	0.00	3,477	179.17	0.00
25.50	0.00	3,477	179.17	0.00
25.60	0.00	3,477	179.17	0.00
25.70	0.00	3,477	179.17	0.00
25.80	0.00	3,477	179.17	0.00
25.90	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,477	179.17	0.00
26.10	0.00	3,477	179.17	0.00
26.20	0.00	3,477	179.17	0.00
26.30	0.00	3,477	179.17	0.00
26.40	0.00	3,477	179.17	0.00
26.50	0.00	3,477	179.17	0.00
26.60	0.00	3,477	179.17	0.00
26.70	0.00	3,477	179.17	0.00
26.80	0.00	3,477	179.17	0.00
26.90	0.00	3,477	179.17	0.00
27.00	0.00	3,477	179.17	0.00
27.10	0.00	3,477	179.17	0.00
27.20	0.00	3,477	179.17	0.00
27.30	0.00	3,477	179.17	0.00
27.40	0.00	3,477	179.17	0.00
27.50	0.00	3,477	179.17	0.00
27.60	0.00	3,477	179.17	0.00
27.70	0.00	3,477	179.17	0.00
27.80	0.00	3,477	179.17	0.00
27.90	0.00	3,477	179.17	0.00
28.00	0.00	3,477	179.17	0.00
28.10	0.00	3,477	179.17	0.00
28.20	0.00	3,477	179.17	0.00
28.30	0.00	3,477	179.17	0.00
28.40	0.00	3,477	179.17	0.00
28.50	0.00	3,477	179.17	0.00
28.60	0.00	3,477	179.17	0.00
28.70	0.00	3,477	179.17	0.00
28.80	0.00	3,477	179.17	0.00
28.90	0.00	3,477	179.17	0.00
29.00	0.00	3,477	179.17	0.00
29.10	0.00	3,477	179.17	0.00
29.20	0.00	3,477	179.17	0.00
29.30	0.00	3,477	179.17	0.00
29.40	0.00	3,477	179.17	0.00
29.50	0.00	3,477	179.17	0.00
29.60	0.00	3,477	179.17	0.00
29.70	0.00	3,477	179.17	0.00
29.80	0.00	3,477	179.17	0.00
29.90	0.00	3,477	179.17	0.00
30.00	0.00	3,477	179.17	0.00
30.10	0.00	3,477	179.17	0.00
30.20	0.00	3,477	179.17	0.00
30.30	0.00	3,477	179.17	0.00
30.40	0.00	3,477	179.17	0.00
30.50	0.00	3,477	179.17	0.00
30.60	0.00	3,477	179.17	0.00
30.70	0.00	3,477	179.17	0.00
30.80	0.00	3,477	179.17	0.00
30.90	0.00	3,477	179.17	0.00
31.00	0.00	3,477	179.17	0.00
31.10	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,477	179.17	0.00
31.30	0.00	3,477	179.17	0.00
31.40	0.00	3,477	179.17	0.00
31.50	0.00	3,477	179.17	0.00
31.60	0.00	3,477	179.17	0.00
31.70	0.00	3,477	179.17	0.00
31.80	0.00	3,477	179.17	0.00
31.90	0.00	3,477	179.17	0.00
32.00	0.00	3,477	179.17	0.00
32.10	0.00	3,477	179.17	0.00
32.20	0.00	3,477	179.17	0.00
32.30	0.00	3,477	179.17	0.00
32.40	0.00	3,477	179.17	0.00
32.50	0.00	3,477	179.17	0.00
32.60	0.00	3,477	179.17	0.00
32.70	0.00	3,477	179.17	0.00
32.80	0.00	3,477	179.17	0.00
32.90	0.00	3,477	179.17	0.00
33.00	0.00	3,477	179.17	0.00
33.10	0.00	3,477	179.17	0.00
33.20	0.00	3,477	179.17	0.00
33.30	0.00	3,477	179.17	0.00
33.40	0.00	3,477	179.17	0.00
33.50	0.00	3,477	179.17	0.00
33.60	0.00	3,477	179.17	0.00
33.70	0.00	3,477	179.17	0.00
33.80	0.00	3,477	179.17	0.00
33.90	0.00	3,477	179.17	0.00
34.00	0.00	3,477	179.17	0.00
34.10	0.00	3,477	179.17	0.00
34.20	0.00	3,477	179.17	0.00
34.30	0.00	3,477	179.17	0.00
34.40	0.00	3,477	179.17	0.00
34.50	0.00	3,477	179.17	0.00
34.60	0.00	3,477	179.17	0.00
34.70	0.00	3,477	179.17	0.00
34.80	0.00	3,477	179.17	0.00
34.90	0.00	3,477	179.17	0.00
35.00	0.00	3,477	179.17	0.00
35.10	0.00	3,477	179.17	0.00
35.20	0.00	3,477	179.17	0.00
35.30	0.00	3,477	179.17	0.00
35.40	0.00	3,477	179.17	0.00
35.50	0.00	3,477	179.17	0.00
35.60	0.00	3,477	179.17	0.00
35.70	0.00	3,477	179.17	0.00
35.80	0.00	3,477	179.17	0.00
35.90	0.00	3,477	179.17	0.00
36.00	0.00	3,477	179.17	0.00
36.10	0.00	3,477	179.17	0.00
36.20	0.00	3,477	179.17	0.00
36.30	0.00	3,477	179.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,477	179.17	0.00
36.50	0.00	3,477	179.17	0.00
36.60	0.00	3,477	179.17	0.00
36.70	0.00	3,477	179.17	0.00
36.80	0.00	3,477	179.17	0.00
36.90	0.00	3,477	179.17	0.00
37.00	0.00	3,477	179.17	0.00
37.10	0.00	3,477	179.17	0.00
37.20	0.00	3,477	179.17	0.00
37.30	0.00	3,477	179.17	0.00
37.40	0.00	3,477	179.17	0.00
37.50	0.00	3,477	179.17	0.00
37.60	0.00	3,477	179.17	0.00
37.70	0.00	3,477	179.17	0.00
37.80	0.00	3,477	179.17	0.00
37.90	0.00	3,477	179.17	0.00
38.00	0.00	3,477	179.17	0.00
38.10	0.00	3,477	179.17	0.00
38.20	0.00	3,477	179.17	0.00
38.30	0.00	3,477	179.17	0.00
38.40	0.00	3,477	179.17	0.00
38.50	0.00	3,477	179.17	0.00
38.60	0.00	3,477	179.17	0.00
38.70	0.00	3,477	179.17	0.00
38.80	0.00	3,477	179.17	0.00
38.90	0.00	3,477	179.17	0.00
39.00	0.00	3,477	179.17	0.00
39.10	0.00	3,477	179.17	0.00
39.20	0.00	3,477	179.17	0.00
39.30	0.00	3,477	179.17	0.00
39.40	0.00	3,477	179.17	0.00
39.50	0.00	3,477	179.17	0.00
39.60	0.00	3,477	179.17	0.00
39.70	0.00	3,477	179.17	0.00
39.80	0.00	3,477	179.17	0.00
39.90	0.00	3,477	179.17	0.00
40.00	0.00	3,477	179.17	0.00

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.00	179.56	0.09
178.01	0.00	178.53	0.00	179.05	0.00	179.57	0.09
178.02	0.00	178.54	0.00	179.06	0.00	179.58	0.09
178.03	0.00	178.55	0.00	179.07	0.00	179.59	0.09
178.04	0.00	178.56	0.00	179.08	0.00	179.60	0.09
178.05	0.00	178.57	0.00	179.09	0.00	179.61	0.10
178.06	0.00	178.58	0.00	179.10	0.00	179.62	0.10
178.07	0.00	178.59	0.00	179.11	0.00	179.63	0.10
178.08	0.00	178.60	0.00	179.12	0.00	179.64	0.10
178.09	0.00	178.61	0.00	179.13	0.00	179.65	0.10
178.10	0.00	178.62	0.00	179.14	0.00	179.66	0.10
178.11	0.00	178.63	0.00	179.15	0.00	179.67	0.10
178.12	0.00	178.64	0.00	179.16	0.00	179.68	0.10
178.13	0.00	178.65	0.00	179.17	0.00	179.69	0.11
178.14	0.00	178.66	0.00	179.18	0.00	179.70	0.11
178.15	0.00	178.67	0.00	179.19	0.00	179.71	0.11
178.16	0.00	178.68	0.00	179.20	0.00	179.72	0.11
178.17	0.00	178.69	0.00	179.21	0.00	179.73	0.11
178.18	0.00	178.70	0.00	179.22	0.00	179.74	0.11
178.19	0.00	178.71	0.00	179.23	0.01	179.75	0.11
178.20	0.00	178.72	0.00	179.24	0.01	179.76	0.11
178.21	0.00	178.73	0.00	179.25	0.01	179.77	0.12
178.22	0.00	178.74	0.00	179.26	0.01	179.78	0.12
178.23	0.00	178.75	0.00	179.27	0.02	179.79	0.12
178.24	0.00	178.76	0.00	179.28	0.02	179.80	0.12
178.25	0.00	178.77	0.00	179.29	0.02	179.81	0.12
178.26	0.00	178.78	0.00	179.30	0.03	179.82	0.12
178.27	0.00	178.79	0.00	179.31	0.03	179.83	0.12
178.28	0.00	178.80	0.00	179.32	0.03	179.84	0.12
178.29	0.00	178.81	0.00	179.33	0.04	179.85	0.12
178.30	0.00	178.82	0.00	179.34	0.04	179.86	0.13
178.31	0.00	178.83	0.00	179.35	0.05	179.87	0.13
178.32	0.00	178.84	0.00	179.36	0.05	179.88	0.13
178.33	0.00	178.85	0.00	179.37	0.05	179.89	0.13
178.34	0.00	178.86	0.00	179.38	0.05	179.90	0.13
178.35	0.00	178.87	0.00	179.39	0.06	179.91	0.13
178.36	0.00	178.88	0.00	179.40	0.06	179.92	0.13
178.37	0.00	178.89	0.00	179.41	0.06	179.93	0.13
178.38	0.00	178.90	0.00	179.42	0.06	179.94	0.13
178.39	0.00	178.91	0.00	179.43	0.06	179.95	0.13
178.40	0.00	178.92	0.00	179.44	0.07	179.96	0.14
178.41	0.00	178.93	0.00	179.45	0.07	179.97	0.14
178.42	0.00	178.94	0.00	179.46	0.07	179.98	0.14
178.43	0.00	178.95	0.00	179.47	0.07	179.99	0.14
178.44	0.00	178.96	0.00	179.48	0.07	180.00	0.14
178.45	0.00	178.97	0.00	179.49	0.08	180.01	0.14
178.46	0.00	178.98	0.00	179.50	0.08	180.02	0.14
178.47	0.00	178.99	0.00	179.51	0.08	180.03	0.14
178.48	0.00	179.00	0.00	179.52	0.08	180.04	0.14
178.49	0.00	179.01	0.00	179.53	0.08	180.05	0.14
178.50	0.00	179.02	0.00	179.54	0.08	180.06	0.15
178.51	0.00	179.03	0.00	179.55	0.09	180.07	0.15

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.15	180.60	0.19	181.12	4.73	181.64	13.04
180.09	0.15	180.61	0.19	181.13	4.87	181.65	13.22
180.10	0.15	180.62	0.19	181.14	5.00	181.66	13.40
180.11	0.15	180.63	0.20	181.15	5.14	181.67	13.59
180.12	0.15	180.64	0.23	181.16	5.28	181.68	13.77
180.13	0.15	180.65	0.26	181.17	5.41	181.69	13.96
180.14	0.15	180.66	0.30	181.18	5.55	181.70	14.14
180.15	0.15	180.67	0.34	181.19	5.70	181.71	14.33
180.16	0.15	180.68	0.39	181.20	5.84	181.72	14.52
180.17	0.16	180.69	0.44	181.21	5.98	181.73	14.70
180.18	0.16	180.70	0.49	181.22	6.13	181.74	14.89
180.19	0.16	180.71	0.55	181.23	6.27	181.75	15.08
180.20	0.16	180.72	0.61	181.24	6.42	181.76	15.27
180.21	0.16	180.73	0.67	181.25	6.57	181.77	15.46
180.22	0.16	180.74	0.74	181.26	6.71	181.78	15.65
180.23	0.16	180.75	0.81	181.27	6.86	181.79	15.85
180.24	0.16	180.76	0.88	181.28	7.01	181.80	16.04
180.25	0.16	180.77	0.95	181.29	7.17	181.81	16.23
180.26	0.16	180.78	1.03	181.30	7.32	181.82	16.42
180.27	0.16	180.79	1.11	181.31	7.47	181.83	16.62
180.28	0.16	180.80	1.19	181.32	7.63	181.84	16.81
180.29	0.17	180.81	1.28	181.33	7.78	181.85	17.01
180.30	0.17	180.82	1.36	181.34	7.94	181.86	17.21
180.31	0.17	180.83	1.45	181.35	8.10	181.87	17.40
180.32	0.17	180.84	1.54	181.36	8.26	181.88	17.60
180.33	0.17	180.85	1.63	181.37	8.41	181.89	17.80
180.34	0.17	180.86	1.73	181.38	8.58	181.90	18.00
180.35	0.17	180.87	1.82	181.39	8.74	181.91	18.07
180.36	0.17	180.88	1.92	181.40	8.90	181.92	18.09
180.37	0.17	180.89	2.02	181.41	9.06	181.93	18.11
180.38	0.17	180.90	2.12	181.42	9.23	181.94	18.13
180.39	0.17	180.91	2.22	181.43	9.39	181.95	18.15
180.40	0.17	180.92	2.33	181.44	9.56	181.96	18.29
180.41	0.17	180.93	2.43	181.45	9.72	181.97	18.52
180.42	0.18	180.94	2.54	181.46	9.89	181.98	18.82
180.43	0.18	180.95	2.65	181.47	10.06	181.99	19.17
180.44	0.18	180.96	2.76	181.48	10.23	182.00	19.56
180.45	0.18	180.97	2.87	181.49	10.40		
180.46	0.18	180.98	2.99	181.50	10.57		
180.47	0.18	180.99	3.10	181.51	10.74		
180.48	0.18	181.00	3.22	181.52	10.91		
180.49	0.18	181.01	3.34	181.53	11.08		
180.50	0.18	181.02	3.46	181.54	11.26		
180.51	0.18	181.03	3.58	181.55	11.43		
180.52	0.18	181.04	3.70	181.56	11.61		
180.53	0.18	181.05	3.83	181.57	11.78		
180.54	0.18	181.06	3.95	181.58	11.96		
180.55	0.19	181.07	4.08	181.59	12.14		
180.56	0.19	181.08	4.21	181.60	12.32		
180.57	0.19	181.09	4.34	181.61	12.50		
180.58	0.19	181.10	4.47	181.62	12.68		
180.59	0.19	181.11	4.60	181.63	12.86		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	2,543	0	178.52	2,930	1,423
178.01	2,550	25	178.53	2,937	1,452
178.02	2,558	51	178.54	2,945	1,482
178.03	2,565	77	178.55	2,952	1,511
178.04	2,573	102	178.56	2,960	1,541
178.05	2,580	128	178.57	2,967	1,570
178.06	2,588	154	178.58	2,975	1,600
178.07	2,595	180	178.59	2,982	1,630
178.08	2,603	206	178.60	2,989	1,660
178.09	2,610	232	178.61	2,997	1,690
178.10	2,617	258	178.62	3,004	1,720
178.11	2,625	284	178.63	3,012	1,750
178.12	2,632	311	178.64	3,019	1,780
178.13	2,640	337	178.65	3,027	1,810
178.14	2,647	363	178.66	3,034	1,840
178.15	2,655	390	178.67	3,041	1,871
178.16	2,662	416	178.68	3,049	1,901
178.17	2,669	443	178.69	3,056	1,932
178.18	2,677	470	178.70	3,064	1,962
178.19	2,684	497	178.71	3,071	1,993
178.20	2,692	523	178.72	3,079	2,024
178.21	2,699	550	178.73	3,086	2,055
178.22	2,707	577	178.74	3,094	2,086
178.23	2,714	605	178.75	3,101	2,117
178.24	2,722	632	178.76	3,108	2,148
178.25	2,729	659	178.77	3,116	2,179
178.26	2,736	686	178.78	3,123	2,210
178.27	2,744	714	178.79	3,131	2,241
178.28	2,751	741	178.80	3,138	2,272
178.29	2,759	769	178.81	3,146	2,304
178.30	2,766	796	178.82	3,153	2,335
178.31	2,774	824	178.83	3,161	2,367
178.32	2,781	852	178.84	3,168	2,399
178.33	2,789	880	178.85	3,175	2,430
178.34	2,796	908	178.86	3,183	2,462
178.35	2,803	936	178.87	3,190	2,494
178.36	2,811	964	178.88	3,198	2,526
178.37	2,818	992	178.89	3,205	2,558
178.38	2,826	1,020	178.90	3,213	2,590
178.39	2,833	1,048	178.91	3,220	2,622
178.40	2,841	1,077	178.92	3,227	2,654
178.41	2,848	1,105	178.93	3,235	2,687
178.42	2,855	1,134	178.94	3,242	2,719
178.43	2,863	1,162	178.95	3,250	2,752
178.44	2,870	1,191	178.96	3,257	2,784
178.45	2,878	1,220	178.97	3,265	2,817
178.46	2,885	1,248	178.98	3,272	2,849
178.47	2,893	1,277	178.99	3,280	2,882
178.48	2,900	1,306	179.00	3,287	2,915
178.49	2,908	1,335	179.01	3,295	2,948
178.50	2,915	1,365	179.02	3,302	2,981
178.51	2,922	1,394	179.03	3,310	3,014

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	3,318	3,047	179.56	3,719	4,877
179.05	3,326	3,080	179.57	3,727	4,914
179.06	3,333	3,114	179.58	3,735	4,951
179.07	3,341	3,147	179.59	3,742	4,989
179.08	3,349	3,180	179.60	3,750	5,026
179.09	3,356	3,214	179.61	3,758	5,064
179.10	3,364	3,248	179.62	3,766	5,101
179.11	3,372	3,281	179.63	3,773	5,139
179.12	3,380	3,315	179.64	3,781	5,177
179.13	3,387	3,349	179.65	3,789	5,215
179.14	3,395	3,383	179.66	3,797	5,253
179.15	3,403	3,417	179.67	3,804	5,291
179.16	3,411	3,451	179.68	3,812	5,329
179.17	3,418	3,485	179.69	3,820	5,367
179.18	3,426	3,519	179.70	3,827	5,405
179.19	3,434	3,553	179.71	3,835	5,443
179.20	3,441	3,588	179.72	3,843	5,482
179.21	3,449	3,622	179.73	3,851	5,520
179.22	3,457	3,657	179.74	3,858	5,559
179.23	3,465	3,691	179.75	3,866	5,597
179.24	3,472	3,726	179.76	3,874	5,636
179.25	3,480	3,761	179.77	3,881	5,675
179.26	3,488	3,796	179.78	3,889	5,714
179.27	3,495	3,831	179.79	3,897	5,753
179.28	3,503	3,866	179.80	3,905	5,792
179.29	3,511	3,901	179.81	3,912	5,831
179.30	3,519	3,936	179.82	3,920	5,870
179.31	3,526	3,971	179.83	3,928	5,909
179.32	3,534	4,006	179.84	3,935	5,948
179.33	3,542	4,042	179.85	3,943	5,988
179.34	3,549	4,077	179.86	3,951	6,027
179.35	3,557	4,113	179.87	3,959	6,067
179.36	3,565	4,148	179.88	3,966	6,106
179.37	3,573	4,184	179.89	3,974	6,146
179.38	3,580	4,220	179.90	3,982	6,186
179.39	3,588	4,256	179.91	3,990	6,226
179.40	3,596	4,292	179.92	3,997	6,266
179.41	3,604	4,328	179.93	4,005	6,306
179.42	3,611	4,364	179.94	4,013	6,346
179.43	3,619	4,400	179.95	4,020	6,386
179.44	3,627	4,436	179.96	4,028	6,426
179.45	3,634	4,472	179.97	4,036	6,467
179.46	3,642	4,509	179.98	4,044	6,507
179.47	3,650	4,545	179.99	4,051	6,547
179.48	3,658	4,582	180.00	4,059	6,588
179.49	3,665	4,618	180.01	4,067	6,629
179.50	3,673	4,655	180.02	4,075	6,669
179.51	3,681	4,692	180.03	4,083	6,710
179.52	3,688	4,729	180.04	4,091	6,751
179.53	3,696	4,766	180.05	4,099	6,792
179.54	3,704	4,803	180.06	4,107	6,833
179.55	3,712	4,840	180.07	4,115	6,874

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	4,123	6,915	180.60	4,538	9,167
180.09	4,131	6,957	180.61	4,546	9,213
180.10	4,139	6,998	180.62	4,554	9,258
180.11	4,147	7,039	180.63	4,562	9,304
180.12	4,155	7,081	180.64	4,570	9,349
180.13	4,163	7,122	180.65	4,578	9,395
180.14	4,171	7,164	180.66	4,586	9,441
180.15	4,179	7,206	180.67	4,594	9,487
180.16	4,187	7,248	180.68	4,602	9,533
180.17	4,195	7,290	180.69	4,610	9,579
180.18	4,203	7,332	180.70	4,618	9,625
180.19	4,211	7,374	180.71	4,626	9,671
180.20	4,219	7,416	180.72	4,634	9,718
180.21	4,227	7,458	180.73	4,642	9,764
180.22	4,235	7,500	180.74	4,650	9,810
180.23	4,243	7,543	180.75	4,658	9,857
180.24	4,251	7,585	180.76	4,666	9,904
180.25	4,259	7,628	180.77	4,674	9,950
180.26	4,267	7,670	180.78	4,682	9,997
180.27	4,275	7,713	180.79	4,690	10,044
180.28	4,283	7,756	180.80	4,698	10,091
180.29	4,291	7,799	180.81	4,706	10,138
180.30	4,299	7,842	180.82	4,714	10,185
180.31	4,307	7,885	180.83	4,722	10,232
180.32	4,315	7,928	180.84	4,730	10,279
180.33	4,323	7,971	180.85	4,738	10,327
180.34	4,331	8,014	180.86	4,746	10,374
180.35	4,339	8,058	180.87	4,754	10,422
180.36	4,347	8,101	180.88	4,762	10,469
180.37	4,355	8,145	180.89	4,770	10,517
180.38	4,363	8,188	180.90	4,778	10,565
180.39	4,371	8,232	180.91	4,786	10,613
180.40	4,379	8,276	180.92	4,794	10,660
180.41	4,387	8,319	180.93	4,802	10,708
180.42	4,395	8,363	180.94	4,810	10,756
180.43	4,403	8,407	180.95	4,818	10,805
180.44	4,411	8,451	180.96	4,826	10,853
180.45	4,419	8,495	180.97	4,834	10,901
180.46	4,427	8,540	180.98	4,842	10,949
180.47	4,435	8,584	180.99	4,850	10,998
180.48	4,443	8,628	181.00	4,858	11,047
180.49	4,451	8,673	181.01	4,866	11,095
180.50	4,459	8,717	181.02	4,875	11,144
180.51	4,466	8,762	181.03	4,883	11,193
180.52	4,474	8,807	181.04	4,891	11,241
180.53	4,482	8,851	181.05	4,899	11,290
180.54	4,490	8,896	181.06	4,908	11,339
180.55	4,498	8,941	181.07	4,916	11,389
180.56	4,506	8,986	181.08	4,924	11,438
180.57	4,514	9,031	181.09	4,932	11,487
180.58	4,522	9,077	181.10	4,941	11,536
180.59	4,530	9,122	181.11	4,949	11,586

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	4,957	11,635	181.64	5,387	14,325
181.13	4,966	11,685	181.65	5,396	14,379
181.14	4,974	11,735	181.66	5,404	14,433
181.15	4,982	11,785	181.67	5,412	14,487
181.16	4,990	11,834	181.68	5,420	14,541
181.17	4,999	11,884	181.69	5,429	14,595
181.18	5,007	11,934	181.70	5,437	14,650
181.19	5,015	11,984	181.71	5,445	14,704
181.20	5,023	12,035	181.72	5,453	14,759
181.21	5,032	12,085	181.73	5,462	14,813
181.22	5,040	12,135	181.74	5,470	14,868
181.23	5,048	12,186	181.75	5,478	14,923
181.24	5,056	12,236	181.76	5,487	14,977
181.25	5,065	12,287	181.77	5,495	15,032
181.26	5,073	12,338	181.78	5,503	15,087
181.27	5,081	12,388	181.79	5,511	15,142
181.28	5,090	12,439	181.80	5,520	15,198
181.29	5,098	12,490	181.81	5,528	15,253
181.30	5,106	12,541	181.82	5,536	15,308
181.31	5,114	12,592	181.83	5,544	15,364
181.32	5,123	12,643	181.84	5,553	15,419
181.33	5,131	12,695	181.85	5,561	15,475
181.34	5,139	12,746	181.86	5,569	15,530
181.35	5,147	12,797	181.87	5,577	15,586
181.36	5,156	12,849	181.88	5,586	15,642
181.37	5,164	12,901	181.89	5,594	15,698
181.38	5,172	12,952	181.90	5,602	15,754
181.39	5,181	13,004	181.91	5,611	15,810
181.40	5,189	13,056	181.92	5,619	15,866
181.41	5,197	13,108	181.93	5,627	15,922
181.42	5,205	13,160	181.94	5,635	15,978
181.43	5,214	13,212	181.95	5,644	16,035
181.44	5,222	13,264	181.96	5,652	16,091
181.45	5,230	13,316	181.97	5,660	16,148
181.46	5,238	13,369	181.98	5,668	16,204
181.47	5,247	13,421	181.99	5,677	16,261
181.48	5,255	13,474	182.00	5,685	16,318
181.49	5,263	13,526			
181.50	5,272	13,579			
181.51	5,280	13,632			
181.52	5,288	13,684			
181.53	5,296	13,737			
181.54	5,305	13,790			
181.55	5,313	13,843			
181.56	5,321	13,897			
181.57	5,329	13,950			
181.58	5,338	14,003			
181.59	5,346	14,057			
181.60	5,354	14,110			
181.61	5,362	14,164			
181.62	5,371	14,217			
181.63	5,379	14,271			

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 0.49" for WQ Storm event
 Inflow = 2.17 cfs @ 1.15 hrs, Volume= 0.077 af
 Outflow = 0.00 cfs @ 2.49 hrs, Volume= 0.000 af, Atten= 100%, Lag= 80.2 min
 Primary = 0.00 cfs @ 2.49 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 178.97' @ 2.49 hrs Surf.Area= 3,765 sf Storage= 3,366 cf

Plug-Flow detention time= 857.3 min calculated for 0.000 af (0% of inflow)
 Center-of-Mass det. time= 813.5 min (889.0 - 75.5)

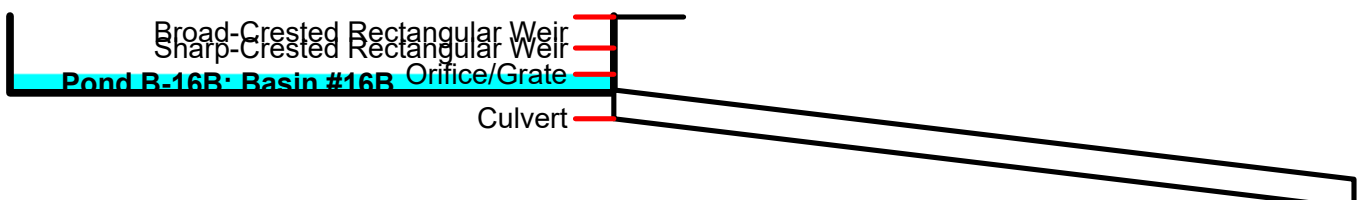
Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	17,892 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	3,145	0	0
179.00	3,781	3,463	3,463
180.00	4,451	4,116	7,579
181.00	5,149	4,800	12,379
182.00	5,877	5,513	17,892

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	18.0" Round Culvert L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 ' S= 0.0877 ' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.97'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.33'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	181.95'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

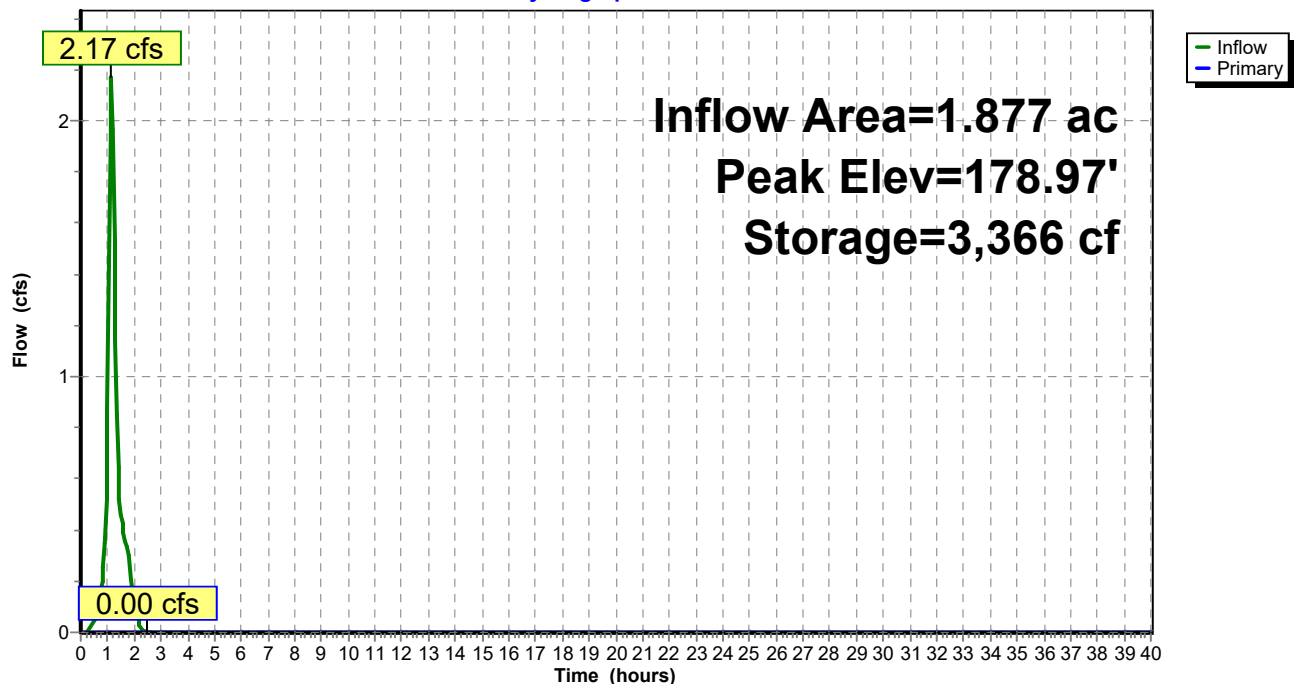
Primary OutFlow Max=0.00 cfs @ 2.49 hrs HW=178.97' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 10.68 cfs potential flow)
 2=Orifice/Grate (Orifice Controls 0.00 cfs @ 0.22 fps)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-16B: Basin #16B

Hydrograph



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.03	7	178.00	0.00
0.60	0.09	28	178.01	0.00
0.70	0.15	70	178.02	0.00
0.80	0.20	132	178.04	0.00
0.90	0.35	227	178.07	0.00
1.00	0.87	431	178.14	0.00
1.10	1.95	942	178.29	0.00
1.20	1.97	1,686	178.51	0.00
1.30	1.14	2,242	178.67	0.00
1.40	0.64	2,556	178.75	0.00
1.50	0.46	2,748	178.81	0.00
1.60	0.39	2,901	178.85	0.00
1.70	0.34	3,031	178.88	0.00
1.80	0.31	3,148	178.92	0.00
1.90	0.20	3,243	178.94	0.00
2.00	0.13	3,301	178.96	0.00
2.10	0.09	3,341	178.97	0.00
2.20	0.02	3,360	178.97	0.00
2.30	0.01	3,365	178.97	0.00
2.40	0.00	3,366	178.97	0.00
2.50	0.00	3,366	178.97	0.00
2.60	0.00	3,366	178.97	0.00
2.70	0.00	3,366	178.97	0.00
2.80	0.00	3,365	178.97	0.00
2.90	0.00	3,365	178.97	0.00
3.00	0.00	3,365	178.97	0.00
3.10	0.00	3,365	178.97	0.00
3.20	0.00	3,365	178.97	0.00
3.30	0.00	3,365	178.97	0.00
3.40	0.00	3,365	178.97	0.00
3.50	0.00	3,365	178.97	0.00
3.60	0.00	3,365	178.97	0.00
3.70	0.00	3,365	178.97	0.00
3.80	0.00	3,365	178.97	0.00
3.90	0.00	3,365	178.97	0.00
4.00	0.00	3,364	178.97	0.00
4.10	0.00	3,364	178.97	0.00
4.20	0.00	3,364	178.97	0.00
4.30	0.00	3,364	178.97	0.00
4.40	0.00	3,364	178.97	0.00
4.50	0.00	3,364	178.97	0.00
4.60	0.00	3,364	178.97	0.00
4.70	0.00	3,364	178.97	0.00
4.80	0.00	3,364	178.97	0.00
4.90	0.00	3,364	178.97	0.00
5.00	0.00	3,364	178.97	0.00
5.10	0.00	3,364	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,363	178.97	0.00
5.30	0.00	3,363	178.97	0.00
5.40	0.00	3,363	178.97	0.00
5.50	0.00	3,363	178.97	0.00
5.60	0.00	3,363	178.97	0.00
5.70	0.00	3,363	178.97	0.00
5.80	0.00	3,363	178.97	0.00
5.90	0.00	3,363	178.97	0.00
6.00	0.00	3,363	178.97	0.00
6.10	0.00	3,363	178.97	0.00
6.20	0.00	3,363	178.97	0.00
6.30	0.00	3,363	178.97	0.00
6.40	0.00	3,363	178.97	0.00
6.50	0.00	3,363	178.97	0.00
6.60	0.00	3,362	178.97	0.00
6.70	0.00	3,362	178.97	0.00
6.80	0.00	3,362	178.97	0.00
6.90	0.00	3,362	178.97	0.00
7.00	0.00	3,362	178.97	0.00
7.10	0.00	3,362	178.97	0.00
7.20	0.00	3,362	178.97	0.00
7.30	0.00	3,362	178.97	0.00
7.40	0.00	3,362	178.97	0.00
7.50	0.00	3,362	178.97	0.00
7.60	0.00	3,362	178.97	0.00
7.70	0.00	3,362	178.97	0.00
7.80	0.00	3,362	178.97	0.00
7.90	0.00	3,362	178.97	0.00
8.00	0.00	3,361	178.97	0.00
8.10	0.00	3,361	178.97	0.00
8.20	0.00	3,361	178.97	0.00
8.30	0.00	3,361	178.97	0.00
8.40	0.00	3,361	178.97	0.00
8.50	0.00	3,361	178.97	0.00
8.60	0.00	3,361	178.97	0.00
8.70	0.00	3,361	178.97	0.00
8.80	0.00	3,361	178.97	0.00
8.90	0.00	3,361	178.97	0.00
9.00	0.00	3,361	178.97	0.00
9.10	0.00	3,361	178.97	0.00
9.20	0.00	3,361	178.97	0.00
9.30	0.00	3,361	178.97	0.00
9.40	0.00	3,361	178.97	0.00
9.50	0.00	3,361	178.97	0.00
9.60	0.00	3,360	178.97	0.00
9.70	0.00	3,360	178.97	0.00
9.80	0.00	3,360	178.97	0.00
9.90	0.00	3,360	178.97	0.00
10.00	0.00	3,360	178.97	0.00
10.10	0.00	3,360	178.97	0.00
10.20	0.00	3,360	178.97	0.00
10.30	0.00	3,360	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,360	178.97	0.00
10.50	0.00	3,360	178.97	0.00
10.60	0.00	3,360	178.97	0.00
10.70	0.00	3,360	178.97	0.00
10.80	0.00	3,360	178.97	0.00
10.90	0.00	3,360	178.97	0.00
11.00	0.00	3,360	178.97	0.00
11.10	0.00	3,360	178.97	0.00
11.20	0.00	3,360	178.97	0.00
11.30	0.00	3,359	178.97	0.00
11.40	0.00	3,359	178.97	0.00
11.50	0.00	3,359	178.97	0.00
11.60	0.00	3,359	178.97	0.00
11.70	0.00	3,359	178.97	0.00
11.80	0.00	3,359	178.97	0.00
11.90	0.00	3,359	178.97	0.00
12.00	0.00	3,359	178.97	0.00
12.10	0.00	3,359	178.97	0.00
12.20	0.00	3,359	178.97	0.00
12.30	0.00	3,359	178.97	0.00
12.40	0.00	3,359	178.97	0.00
12.50	0.00	3,359	178.97	0.00
12.60	0.00	3,359	178.97	0.00
12.70	0.00	3,359	178.97	0.00
12.80	0.00	3,359	178.97	0.00
12.90	0.00	3,359	178.97	0.00
13.00	0.00	3,359	178.97	0.00
13.10	0.00	3,359	178.97	0.00
13.20	0.00	3,359	178.97	0.00
13.30	0.00	3,358	178.97	0.00
13.40	0.00	3,358	178.97	0.00
13.50	0.00	3,358	178.97	0.00
13.60	0.00	3,358	178.97	0.00
13.70	0.00	3,358	178.97	0.00
13.80	0.00	3,358	178.97	0.00
13.90	0.00	3,358	178.97	0.00
14.00	0.00	3,358	178.97	0.00
14.10	0.00	3,358	178.97	0.00
14.20	0.00	3,358	178.97	0.00
14.30	0.00	3,358	178.97	0.00
14.40	0.00	3,358	178.97	0.00
14.50	0.00	3,358	178.97	0.00
14.60	0.00	3,358	178.97	0.00
14.70	0.00	3,358	178.97	0.00
14.80	0.00	3,358	178.97	0.00
14.90	0.00	3,358	178.97	0.00
15.00	0.00	3,358	178.97	0.00
15.10	0.00	3,358	178.97	0.00
15.20	0.00	3,358	178.97	0.00
15.30	0.00	3,358	178.97	0.00
15.40	0.00	3,357	178.97	0.00
15.50	0.00	3,357	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,357	178.97	0.00
15.70	0.00	3,357	178.97	0.00
15.80	0.00	3,357	178.97	0.00
15.90	0.00	3,357	178.97	0.00
16.00	0.00	3,357	178.97	0.00
16.10	0.00	3,357	178.97	0.00
16.20	0.00	3,357	178.97	0.00
16.30	0.00	3,357	178.97	0.00
16.40	0.00	3,357	178.97	0.00
16.50	0.00	3,357	178.97	0.00
16.60	0.00	3,357	178.97	0.00
16.70	0.00	3,357	178.97	0.00
16.80	0.00	3,357	178.97	0.00
16.90	0.00	3,357	178.97	0.00
17.00	0.00	3,357	178.97	0.00
17.10	0.00	3,357	178.97	0.00
17.20	0.00	3,357	178.97	0.00
17.30	0.00	3,357	178.97	0.00
17.40	0.00	3,357	178.97	0.00
17.50	0.00	3,357	178.97	0.00
17.60	0.00	3,357	178.97	0.00
17.70	0.00	3,357	178.97	0.00
17.80	0.00	3,357	178.97	0.00
17.90	0.00	3,356	178.97	0.00
18.00	0.00	3,356	178.97	0.00
18.10	0.00	3,356	178.97	0.00
18.20	0.00	3,356	178.97	0.00
18.30	0.00	3,356	178.97	0.00
18.40	0.00	3,356	178.97	0.00
18.50	0.00	3,356	178.97	0.00
18.60	0.00	3,356	178.97	0.00
18.70	0.00	3,356	178.97	0.00
18.80	0.00	3,356	178.97	0.00
18.90	0.00	3,356	178.97	0.00
19.00	0.00	3,356	178.97	0.00
19.10	0.00	3,356	178.97	0.00
19.20	0.00	3,356	178.97	0.00
19.30	0.00	3,356	178.97	0.00
19.40	0.00	3,356	178.97	0.00
19.50	0.00	3,356	178.97	0.00
19.60	0.00	3,356	178.97	0.00
19.70	0.00	3,356	178.97	0.00
19.80	0.00	3,356	178.97	0.00
19.90	0.00	3,356	178.97	0.00
20.00	0.00	3,356	178.97	0.00
20.10	0.00	3,356	178.97	0.00
20.20	0.00	3,356	178.97	0.00
20.30	0.00	3,356	178.97	0.00
20.40	0.00	3,356	178.97	0.00
20.50	0.00	3,356	178.97	0.00
20.60	0.00	3,356	178.97	0.00
20.70	0.00	3,356	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,355	178.97	0.00
20.90	0.00	3,355	178.97	0.00
21.00	0.00	3,355	178.97	0.00
21.10	0.00	3,355	178.97	0.00
21.20	0.00	3,355	178.97	0.00
21.30	0.00	3,355	178.97	0.00
21.40	0.00	3,355	178.97	0.00
21.50	0.00	3,355	178.97	0.00
21.60	0.00	3,355	178.97	0.00
21.70	0.00	3,355	178.97	0.00
21.80	0.00	3,355	178.97	0.00
21.90	0.00	3,355	178.97	0.00
22.00	0.00	3,355	178.97	0.00
22.10	0.00	3,355	178.97	0.00
22.20	0.00	3,355	178.97	0.00
22.30	0.00	3,355	178.97	0.00
22.40	0.00	3,355	178.97	0.00
22.50	0.00	3,355	178.97	0.00
22.60	0.00	3,355	178.97	0.00
22.70	0.00	3,355	178.97	0.00
22.80	0.00	3,355	178.97	0.00
22.90	0.00	3,355	178.97	0.00
23.00	0.00	3,355	178.97	0.00
23.10	0.00	3,355	178.97	0.00
23.20	0.00	3,355	178.97	0.00
23.30	0.00	3,355	178.97	0.00
23.40	0.00	3,355	178.97	0.00
23.50	0.00	3,355	178.97	0.00
23.60	0.00	3,355	178.97	0.00
23.70	0.00	3,355	178.97	0.00
23.80	0.00	3,355	178.97	0.00
23.90	0.00	3,355	178.97	0.00
24.00	0.00	3,355	178.97	0.00
24.10	0.00	3,355	178.97	0.00
24.20	0.00	3,354	178.97	0.00
24.30	0.00	3,354	178.97	0.00
24.40	0.00	3,354	178.97	0.00
24.50	0.00	3,354	178.97	0.00
24.60	0.00	3,354	178.97	0.00
24.70	0.00	3,354	178.97	0.00
24.80	0.00	3,354	178.97	0.00
24.90	0.00	3,354	178.97	0.00
25.00	0.00	3,354	178.97	0.00
25.10	0.00	3,354	178.97	0.00
25.20	0.00	3,354	178.97	0.00
25.30	0.00	3,354	178.97	0.00
25.40	0.00	3,354	178.97	0.00
25.50	0.00	3,354	178.97	0.00
25.60	0.00	3,354	178.97	0.00
25.70	0.00	3,354	178.97	0.00
25.80	0.00	3,354	178.97	0.00
25.90	0.00	3,354	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,354	178.97	0.00
26.10	0.00	3,354	178.97	0.00
26.20	0.00	3,354	178.97	0.00
26.30	0.00	3,354	178.97	0.00
26.40	0.00	3,354	178.97	0.00
26.50	0.00	3,354	178.97	0.00
26.60	0.00	3,354	178.97	0.00
26.70	0.00	3,354	178.97	0.00
26.80	0.00	3,354	178.97	0.00
26.90	0.00	3,354	178.97	0.00
27.00	0.00	3,354	178.97	0.00
27.10	0.00	3,354	178.97	0.00
27.20	0.00	3,354	178.97	0.00
27.30	0.00	3,354	178.97	0.00
27.40	0.00	3,354	178.97	0.00
27.50	0.00	3,354	178.97	0.00
27.60	0.00	3,354	178.97	0.00
27.70	0.00	3,354	178.97	0.00
27.80	0.00	3,354	178.97	0.00
27.90	0.00	3,354	178.97	0.00
28.00	0.00	3,354	178.97	0.00
28.10	0.00	3,354	178.97	0.00
28.20	0.00	3,354	178.97	0.00
28.30	0.00	3,354	178.97	0.00
28.40	0.00	3,354	178.97	0.00
28.50	0.00	3,353	178.97	0.00
28.60	0.00	3,353	178.97	0.00
28.70	0.00	3,353	178.97	0.00
28.80	0.00	3,353	178.97	0.00
28.90	0.00	3,353	178.97	0.00
29.00	0.00	3,353	178.97	0.00
29.10	0.00	3,353	178.97	0.00
29.20	0.00	3,353	178.97	0.00
29.30	0.00	3,353	178.97	0.00
29.40	0.00	3,353	178.97	0.00
29.50	0.00	3,353	178.97	0.00
29.60	0.00	3,353	178.97	0.00
29.70	0.00	3,353	178.97	0.00
29.80	0.00	3,353	178.97	0.00
29.90	0.00	3,353	178.97	0.00
30.00	0.00	3,353	178.97	0.00
30.10	0.00	3,353	178.97	0.00
30.20	0.00	3,353	178.97	0.00
30.30	0.00	3,353	178.97	0.00
30.40	0.00	3,353	178.97	0.00
30.50	0.00	3,353	178.97	0.00
30.60	0.00	3,353	178.97	0.00
30.70	0.00	3,353	178.97	0.00
30.80	0.00	3,353	178.97	0.00
30.90	0.00	3,353	178.97	0.00
31.00	0.00	3,353	178.97	0.00
31.10	0.00	3,353	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,353	178.97	0.00
31.30	0.00	3,353	178.97	0.00
31.40	0.00	3,353	178.97	0.00
31.50	0.00	3,353	178.97	0.00
31.60	0.00	3,353	178.97	0.00
31.70	0.00	3,353	178.97	0.00
31.80	0.00	3,353	178.97	0.00
31.90	0.00	3,353	178.97	0.00
32.00	0.00	3,353	178.97	0.00
32.10	0.00	3,353	178.97	0.00
32.20	0.00	3,353	178.97	0.00
32.30	0.00	3,353	178.97	0.00
32.40	0.00	3,353	178.97	0.00
32.50	0.00	3,353	178.97	0.00
32.60	0.00	3,353	178.97	0.00
32.70	0.00	3,353	178.97	0.00
32.80	0.00	3,353	178.97	0.00
32.90	0.00	3,353	178.97	0.00
33.00	0.00	3,353	178.97	0.00
33.10	0.00	3,353	178.97	0.00
33.20	0.00	3,353	178.97	0.00
33.30	0.00	3,353	178.97	0.00
33.40	0.00	3,353	178.97	0.00
33.50	0.00	3,353	178.97	0.00
33.60	0.00	3,353	178.97	0.00
33.70	0.00	3,353	178.97	0.00
33.80	0.00	3,353	178.97	0.00
33.90	0.00	3,353	178.97	0.00
34.00	0.00	3,353	178.97	0.00
34.10	0.00	3,353	178.97	0.00
34.20	0.00	3,352	178.97	0.00
34.30	0.00	3,352	178.97	0.00
34.40	0.00	3,352	178.97	0.00
34.50	0.00	3,352	178.97	0.00
34.60	0.00	3,352	178.97	0.00
34.70	0.00	3,352	178.97	0.00
34.80	0.00	3,352	178.97	0.00
34.90	0.00	3,352	178.97	0.00
35.00	0.00	3,352	178.97	0.00
35.10	0.00	3,352	178.97	0.00
35.20	0.00	3,352	178.97	0.00
35.30	0.00	3,352	178.97	0.00
35.40	0.00	3,352	178.97	0.00
35.50	0.00	3,352	178.97	0.00
35.60	0.00	3,352	178.97	0.00
35.70	0.00	3,352	178.97	0.00
35.80	0.00	3,352	178.97	0.00
35.90	0.00	3,352	178.97	0.00
36.00	0.00	3,352	178.97	0.00
36.10	0.00	3,352	178.97	0.00
36.20	0.00	3,352	178.97	0.00
36.30	0.00	3,352	178.97	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,352	178.97	0.00
36.50	0.00	3,352	178.97	0.00
36.60	0.00	3,352	178.97	0.00
36.70	0.00	3,352	178.97	0.00
36.80	0.00	3,352	178.97	0.00
36.90	0.00	3,352	178.97	0.00
37.00	0.00	3,352	178.97	0.00
37.10	0.00	3,352	178.97	0.00
37.20	0.00	3,352	178.97	0.00
37.30	0.00	3,352	178.97	0.00
37.40	0.00	3,352	178.97	0.00
37.50	0.00	3,352	178.97	0.00
37.60	0.00	3,352	178.97	0.00
37.70	0.00	3,352	178.97	0.00
37.80	0.00	3,352	178.97	0.00
37.90	0.00	3,352	178.97	0.00
38.00	0.00	3,352	178.97	0.00
38.10	0.00	3,352	178.97	0.00
38.20	0.00	3,352	178.97	0.00
38.30	0.00	3,352	178.97	0.00
38.40	0.00	3,352	178.97	0.00
38.50	0.00	3,352	178.97	0.00
38.60	0.00	3,352	178.97	0.00
38.70	0.00	3,352	178.97	0.00
38.80	0.00	3,352	178.97	0.00
38.90	0.00	3,352	178.97	0.00
39.00	0.00	3,352	178.97	0.00
39.10	0.00	3,352	178.97	0.00
39.20	0.00	3,352	178.97	0.00
39.30	0.00	3,352	178.97	0.00
39.40	0.00	3,352	178.97	0.00
39.50	0.00	3,352	178.97	0.00
39.60	0.00	3,352	178.97	0.00
39.70	0.00	3,352	178.97	0.00
39.80	0.00	3,352	178.97	0.00
39.90	0.00	3,352	178.97	0.00
40.00	0.00	3,352	178.97	0.00

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.01	179.56	0.11
178.01	0.00	178.53	0.00	179.05	0.01	179.57	0.12
178.02	0.00	178.54	0.00	179.06	0.01	179.58	0.12
178.03	0.00	178.55	0.00	179.07	0.02	179.59	0.12
178.04	0.00	178.56	0.00	179.08	0.02	179.60	0.12
178.05	0.00	178.57	0.00	179.09	0.02	179.61	0.12
178.06	0.00	178.58	0.00	179.10	0.03	179.62	0.12
178.07	0.00	178.59	0.00	179.11	0.03	179.63	0.12
178.08	0.00	178.60	0.00	179.12	0.03	179.64	0.12
178.09	0.00	178.61	0.00	179.13	0.04	179.65	0.12
178.10	0.00	178.62	0.00	179.14	0.04	179.66	0.13
178.11	0.00	178.63	0.00	179.15	0.05	179.67	0.13
178.12	0.00	178.64	0.00	179.16	0.05	179.68	0.13
178.13	0.00	178.65	0.00	179.17	0.05	179.69	0.13
178.14	0.00	178.66	0.00	179.18	0.05	179.70	0.13
178.15	0.00	178.67	0.00	179.19	0.06	179.71	0.13
178.16	0.00	178.68	0.00	179.20	0.06	179.72	0.13
178.17	0.00	178.69	0.00	179.21	0.06	179.73	0.13
178.18	0.00	178.70	0.00	179.22	0.06	179.74	0.13
178.19	0.00	178.71	0.00	179.23	0.06	179.75	0.13
178.20	0.00	178.72	0.00	179.24	0.07	179.76	0.14
178.21	0.00	178.73	0.00	179.25	0.07	179.77	0.14
178.22	0.00	178.74	0.00	179.26	0.07	179.78	0.14
178.23	0.00	178.75	0.00	179.27	0.07	179.79	0.14
178.24	0.00	178.76	0.00	179.28	0.07	179.80	0.14
178.25	0.00	178.77	0.00	179.29	0.08	179.81	0.14
178.26	0.00	178.78	0.00	179.30	0.08	179.82	0.14
178.27	0.00	178.79	0.00	179.31	0.08	179.83	0.14
178.28	0.00	178.80	0.00	179.32	0.08	179.84	0.14
178.29	0.00	178.81	0.00	179.33	0.08	179.85	0.14
178.30	0.00	178.82	0.00	179.34	0.08	179.86	0.15
178.31	0.00	178.83	0.00	179.35	0.09	179.87	0.15
178.32	0.00	178.84	0.00	179.36	0.09	179.88	0.15
178.33	0.00	178.85	0.00	179.37	0.09	179.89	0.15
178.34	0.00	178.86	0.00	179.38	0.09	179.90	0.15
178.35	0.00	178.87	0.00	179.39	0.09	179.91	0.15
178.36	0.00	178.88	0.00	179.40	0.09	179.92	0.15
178.37	0.00	178.89	0.00	179.41	0.10	179.93	0.15
178.38	0.00	178.90	0.00	179.42	0.10	179.94	0.15
178.39	0.00	178.91	0.00	179.43	0.10	179.95	0.15
178.40	0.00	178.92	0.00	179.44	0.10	179.96	0.15
178.41	0.00	178.93	0.00	179.45	0.10	179.97	0.16
178.42	0.00	178.94	0.00	179.46	0.10	179.98	0.16
178.43	0.00	178.95	0.00	179.47	0.10	179.99	0.16
178.44	0.00	178.96	0.00	179.48	0.10	180.00	0.16
178.45	0.00	178.97	0.00	179.49	0.11	180.01	0.16
178.46	0.00	178.98	0.00	179.50	0.11	180.02	0.16
178.47	0.00	178.99	0.00	179.51	0.11	180.03	0.16
178.48	0.00	179.00	0.00	179.52	0.11	180.04	0.16
178.49	0.00	179.01	0.00	179.53	0.11	180.05	0.16
178.50	0.00	179.02	0.00	179.54	0.11	180.06	0.16
178.51	0.00	179.03	0.01	179.55	0.11	180.07	0.16

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.16	180.60	2.01	181.12	9.06	181.64	17.52
180.09	0.17	180.61	2.11	181.13	9.22	181.65	17.54
180.10	0.17	180.62	2.22	181.14	9.39	181.66	17.56
180.11	0.17	180.63	2.32	181.15	9.55	181.67	17.58
180.12	0.17	180.64	2.43	181.16	9.72	181.68	17.60
180.13	0.17	180.65	2.54	181.17	9.88	181.69	17.62
180.14	0.17	180.66	2.65	181.18	10.05	181.70	17.64
180.15	0.17	180.67	2.76	181.19	10.22	181.71	17.66
180.16	0.17	180.68	2.87	181.20	10.39	181.72	17.69
180.17	0.17	180.69	2.98	181.21	10.56	181.73	17.71
180.18	0.17	180.70	3.10	181.22	10.73	181.74	17.73
180.19	0.17	180.71	3.22	181.23	10.91	181.75	17.75
180.20	0.17	180.72	3.33	181.24	11.08	181.76	17.77
180.21	0.17	180.73	3.45	181.25	11.25	181.77	17.79
180.22	0.18	180.74	3.58	181.26	11.43	181.78	17.81
180.23	0.18	180.75	3.70	181.27	11.60	181.79	17.83
180.24	0.18	180.76	3.82	181.28	11.78	181.80	17.85
180.25	0.18	180.77	3.95	181.29	11.96	181.81	17.87
180.26	0.18	180.78	4.07	181.30	12.13	181.82	17.89
180.27	0.18	180.79	4.20	181.31	12.31	181.83	17.91
180.28	0.18	180.80	4.33	181.32	12.49	181.84	17.93
180.29	0.18	180.81	4.46	181.33	12.67	181.85	17.95
180.30	0.18	180.82	4.59	181.34	12.85	181.86	17.97
180.31	0.18	180.83	4.73	181.35	13.03	181.87	17.99
180.32	0.18	180.84	4.86	181.36	13.22	181.88	18.01
180.33	0.18	180.85	5.00	181.37	13.40	181.89	18.03
180.34	0.20	180.86	5.13	181.38	13.58	181.90	18.05
180.35	0.22	180.87	5.27	181.39	13.77	181.91	18.07
180.36	0.25	180.88	5.41	181.40	13.95	181.92	18.09
180.37	0.29	180.89	5.55	181.41	14.14	181.93	18.11
180.38	0.33	180.90	5.69	181.42	14.33	181.94	18.13
180.39	0.38	180.91	5.83	181.43	14.51	181.95	18.15
180.40	0.43	180.92	5.98	181.44	14.70	181.96	18.29
180.41	0.48	180.93	6.12	181.45	14.89	181.97	18.52
180.42	0.54	180.94	6.27	181.46	15.08	181.98	18.82
180.43	0.60	180.95	6.41	181.47	15.27	181.99	19.17
180.44	0.67	180.96	6.56	181.48	15.46	182.00	19.56
180.45	0.73	180.97	6.71	181.49	15.65		
180.46	0.80	180.98	6.86	181.50	15.84		
180.47	0.87	180.99	7.01	181.51	16.03		
180.48	0.95	181.00	7.16	181.52	16.23		
180.49	1.03	181.01	7.31	181.53	16.42		
180.50	1.11	181.02	7.47	181.54	16.61		
180.51	1.19	181.03	7.62	181.55	16.81		
180.52	1.27	181.04	7.78	181.56	17.00		
180.53	1.36	181.05	7.93	181.57	17.20		
180.54	1.44	181.06	8.09	181.58	17.40		
180.55	1.53	181.07	8.25	181.59	17.42		
180.56	1.63	181.08	8.41	181.60	17.44		
180.57	1.72	181.09	8.57	181.61	17.46		
180.58	1.82	181.10	8.73	181.62	17.48		
180.59	1.91	181.11	8.89	181.63	17.50		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	3,145	0	178.52	3,476	1,721
178.01	3,151	31	178.53	3,482	1,756
178.02	3,158	63	178.54	3,488	1,791
178.03	3,164	95	178.55	3,495	1,826
178.04	3,170	126	178.56	3,501	1,861
178.05	3,177	158	178.57	3,508	1,896
178.06	3,183	190	178.58	3,514	1,931
178.07	3,190	222	178.59	3,520	1,966
178.08	3,196	254	178.60	3,527	2,001
178.09	3,202	286	178.61	3,533	2,037
178.10	3,209	318	178.62	3,539	2,072
178.11	3,215	350	178.63	3,546	2,108
178.12	3,221	382	178.64	3,552	2,143
178.13	3,228	414	178.65	3,558	2,179
178.14	3,234	447	178.66	3,565	2,214
178.15	3,240	479	178.67	3,571	2,250
178.16	3,247	511	178.68	3,577	2,286
178.17	3,253	544	178.69	3,584	2,321
178.18	3,259	576	178.70	3,590	2,357
178.19	3,266	609	178.71	3,597	2,393
178.20	3,272	642	178.72	3,603	2,429
178.21	3,279	674	178.73	3,609	2,465
178.22	3,285	707	178.74	3,616	2,501
178.23	3,291	740	178.75	3,622	2,538
178.24	3,298	773	178.76	3,628	2,574
178.25	3,304	806	178.77	3,635	2,610
178.26	3,310	839	178.78	3,641	2,647
178.27	3,317	872	178.79	3,647	2,683
178.28	3,323	906	178.80	3,654	2,720
178.29	3,329	939	178.81	3,660	2,756
178.30	3,336	972	178.82	3,667	2,793
178.31	3,342	1,006	178.83	3,673	2,829
178.32	3,349	1,039	178.84	3,679	2,866
178.33	3,355	1,072	178.85	3,686	2,903
178.34	3,361	1,106	178.86	3,692	2,940
178.35	3,368	1,140	178.87	3,698	2,977
178.36	3,374	1,173	178.88	3,705	3,014
178.37	3,380	1,207	178.89	3,711	3,051
178.38	3,387	1,241	178.90	3,717	3,088
178.39	3,393	1,275	178.91	3,724	3,125
178.40	3,399	1,309	178.92	3,730	3,163
178.41	3,406	1,343	178.93	3,736	3,200
178.42	3,412	1,377	178.94	3,743	3,237
178.43	3,418	1,411	178.95	3,749	3,275
178.44	3,425	1,445	178.96	3,756	3,312
178.45	3,431	1,480	178.97	3,762	3,350
178.46	3,438	1,514	178.98	3,768	3,388
178.47	3,444	1,548	178.99	3,775	3,425
178.48	3,450	1,583	179.00	3,781	3,463
178.49	3,457	1,617	179.01	3,788	3,501
178.50	3,463	1,652	179.02	3,794	3,539
178.51	3,469	1,687	179.03	3,801	3,577

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	3,808	3,615	179.56	4,156	5,685
179.05	3,815	3,653	179.57	4,163	5,727
179.06	3,821	3,691	179.58	4,170	5,769
179.07	3,828	3,729	179.59	4,176	5,810
179.08	3,835	3,768	179.60	4,183	5,852
179.09	3,841	3,806	179.61	4,190	5,894
179.10	3,848	3,844	179.62	4,196	5,936
179.11	3,855	3,883	179.63	4,203	5,978
179.12	3,861	3,922	179.64	4,210	6,020
179.13	3,868	3,960	179.65	4,217	6,062
179.14	3,875	3,999	179.66	4,223	6,104
179.15	3,882	4,038	179.67	4,230	6,147
179.16	3,888	4,077	179.68	4,237	6,189
179.17	3,895	4,115	179.69	4,243	6,231
179.18	3,902	4,154	179.70	4,250	6,274
179.19	3,908	4,193	179.71	4,257	6,316
179.20	3,915	4,233	179.72	4,263	6,359
179.21	3,922	4,272	179.73	4,270	6,402
179.22	3,928	4,311	179.74	4,277	6,444
179.23	3,935	4,350	179.75	4,284	6,487
179.24	3,942	4,390	179.76	4,290	6,530
179.25	3,949	4,429	179.77	4,297	6,573
179.26	3,955	4,469	179.78	4,304	6,616
179.27	3,962	4,508	179.79	4,310	6,659
179.28	3,969	4,548	179.80	4,317	6,702
179.29	3,975	4,588	179.81	4,324	6,745
179.30	3,982	4,627	179.82	4,330	6,789
179.31	3,989	4,667	179.83	4,337	6,832
179.32	3,995	4,707	179.84	4,344	6,875
179.33	4,002	4,747	179.85	4,350	6,919
179.34	4,009	4,787	179.86	4,357	6,962
179.35	4,015	4,827	179.87	4,364	7,006
179.36	4,022	4,868	179.88	4,371	7,050
179.37	4,029	4,908	179.89	4,377	7,093
179.38	4,036	4,948	179.90	4,384	7,137
179.39	4,042	4,989	179.91	4,391	7,181
179.40	4,049	5,029	179.92	4,397	7,225
179.41	4,056	5,070	179.93	4,404	7,269
179.42	4,062	5,110	179.94	4,411	7,313
179.43	4,069	5,151	179.95	4,417	7,357
179.44	4,076	5,191	179.96	4,424	7,401
179.45	4,082	5,232	179.97	4,431	7,446
179.46	4,089	5,273	179.98	4,438	7,490
179.47	4,096	5,314	179.99	4,444	7,535
179.48	4,103	5,355	180.00	4,451	7,579
179.49	4,109	5,396	180.01	4,458	7,624
179.50	4,116	5,437	180.02	4,465	7,668
179.51	4,123	5,478	180.03	4,472	7,713
179.52	4,129	5,520	180.04	4,479	7,758
179.53	4,136	5,561	180.05	4,486	7,802
179.54	4,143	5,602	180.06	4,493	7,847
179.55	4,150	5,644	180.07	4,500	7,892

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	4,507	7,937	180.60	4,870	10,375
180.09	4,514	7,982	180.61	4,877	10,424
180.10	4,521	8,028	180.62	4,884	10,473
180.11	4,528	8,073	180.63	4,891	10,522
180.12	4,535	8,118	180.64	4,898	10,571
180.13	4,542	8,164	180.65	4,905	10,620
180.14	4,549	8,209	180.66	4,912	10,669
180.15	4,556	8,255	180.67	4,919	10,718
180.16	4,563	8,300	180.68	4,926	10,767
180.17	4,570	8,346	180.69	4,933	10,816
180.18	4,577	8,391	180.70	4,940	10,866
180.19	4,584	8,437	180.71	4,947	10,915
180.20	4,591	8,483	180.72	4,954	10,965
180.21	4,598	8,529	180.73	4,961	11,014
180.22	4,605	8,575	180.74	4,968	11,064
180.23	4,612	8,621	180.75	4,975	11,114
180.24	4,619	8,667	180.76	4,981	11,163
180.25	4,626	8,714	180.77	4,988	11,213
180.26	4,632	8,760	180.78	4,995	11,263
180.27	4,639	8,806	180.79	5,002	11,313
180.28	4,646	8,853	180.80	5,009	11,363
180.29	4,653	8,899	180.81	5,016	11,413
180.30	4,660	8,946	180.82	5,023	11,463
180.31	4,667	8,992	180.83	5,030	11,514
180.32	4,674	9,039	180.84	5,037	11,564
180.33	4,681	9,086	180.85	5,044	11,615
180.34	4,688	9,133	180.86	5,051	11,665
180.35	4,695	9,180	180.87	5,058	11,716
180.36	4,702	9,227	180.88	5,065	11,766
180.37	4,709	9,274	180.89	5,072	11,817
180.38	4,716	9,321	180.90	5,079	11,868
180.39	4,723	9,368	180.91	5,086	11,918
180.40	4,730	9,415	180.92	5,093	11,969
180.41	4,737	9,463	180.93	5,100	12,020
180.42	4,744	9,510	180.94	5,107	12,071
180.43	4,751	9,557	180.95	5,114	12,122
180.44	4,758	9,605	180.96	5,121	12,174
180.45	4,765	9,653	180.97	5,128	12,225
180.46	4,772	9,700	180.98	5,135	12,276
180.47	4,779	9,748	180.99	5,142	12,328
180.48	4,786	9,796	181.00	5,149	12,379
180.49	4,793	9,844	181.01	5,156	12,431
180.50	4,800	9,892	181.02	5,164	12,482
180.51	4,807	9,940	181.03	5,171	12,534
180.52	4,814	9,988	181.04	5,178	12,586
180.53	4,821	10,036	181.05	5,185	12,637
180.54	4,828	10,084	181.06	5,193	12,689
180.55	4,835	10,133	181.07	5,200	12,741
180.56	4,842	10,181	181.08	5,207	12,793
180.57	4,849	10,229	181.09	5,215	12,845
180.58	4,856	10,278	181.10	5,222	12,898
180.59	4,863	10,327	181.11	5,229	12,950

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	5,236	13,002	181.64	5,615	15,823
181.13	5,244	13,055	181.65	5,622	15,880
181.14	5,251	13,107	181.66	5,629	15,936
181.15	5,258	13,160	181.67	5,637	15,992
181.16	5,265	13,212	181.68	5,644	16,049
181.17	5,273	13,265	181.69	5,651	16,105
181.18	5,280	13,318	181.70	5,659	16,162
181.19	5,287	13,370	181.71	5,666	16,218
181.20	5,295	13,423	181.72	5,673	16,275
181.21	5,302	13,476	181.73	5,680	16,332
181.22	5,309	13,529	181.74	5,688	16,389
181.23	5,316	13,583	181.75	5,695	16,446
181.24	5,324	13,636	181.76	5,702	16,502
181.25	5,331	13,689	181.77	5,710	16,560
181.26	5,338	13,742	181.78	5,717	16,617
181.27	5,346	13,796	181.79	5,724	16,674
181.28	5,353	13,849	181.80	5,731	16,731
181.29	5,360	13,903	181.81	5,739	16,789
181.30	5,367	13,956	181.82	5,746	16,846
181.31	5,375	14,010	181.83	5,753	16,903
181.32	5,382	14,064	181.84	5,761	16,961
181.33	5,389	14,118	181.85	5,768	17,019
181.34	5,397	14,172	181.86	5,775	17,076
181.35	5,404	14,226	181.87	5,782	17,134
181.36	5,411	14,280	181.88	5,790	17,192
181.37	5,418	14,334	181.89	5,797	17,250
181.38	5,426	14,388	181.90	5,804	17,308
181.39	5,433	14,442	181.91	5,811	17,366
181.40	5,440	14,497	181.92	5,819	17,424
181.41	5,447	14,551	181.93	5,826	17,482
181.42	5,455	14,606	181.94	5,833	17,541
181.43	5,462	14,660	181.95	5,841	17,599
181.44	5,469	14,715	181.96	5,848	17,658
181.45	5,477	14,770	181.97	5,855	17,716
181.46	5,484	14,825	181.98	5,862	17,775
181.47	5,491	14,879	181.99	5,870	17,833
181.48	5,498	14,934	182.00	5,877	17,892
181.49	5,506	14,989			
181.50	5,513	15,045			
181.51	5,520	15,100			
181.52	5,528	15,155			
181.53	5,535	15,210			
181.54	5,542	15,266			
181.55	5,549	15,321			
181.56	5,557	15,377			
181.57	5,564	15,432			
181.58	5,571	15,488			
181.59	5,579	15,544			
181.60	5,586	15,599			
181.61	5,593	15,655			
181.62	5,600	15,711			
181.63	5,608	15,767			

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 0.21" for WQ Storm event
 Inflow = 0.57 cfs @ 1.17 hrs, Volume= 0.024 af
 Outflow = 0.00 cfs @ 2.47 hrs, Volume= 0.000 af, Atten= 100%, Lag= 78.1 min
 Primary = 0.00 cfs @ 2.47 hrs, Volume= 0.000 af
 Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 179.18' @ 2.47 hrs Surf.Area= 5,690 sf Storage= 1,027 cf

Plug-Flow detention time= 1,048.0 min calculated for 0.000 af (1% of inflow)
 Center-of-Mass det. time= 1,005.5 min (1,084.7 - 79.2)

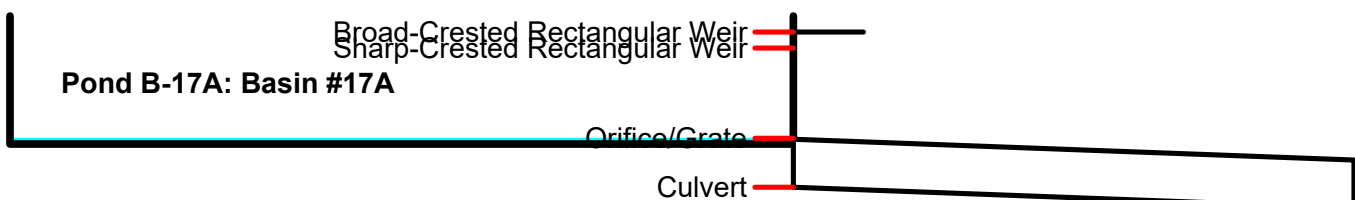
Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	18.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	182.50'	50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

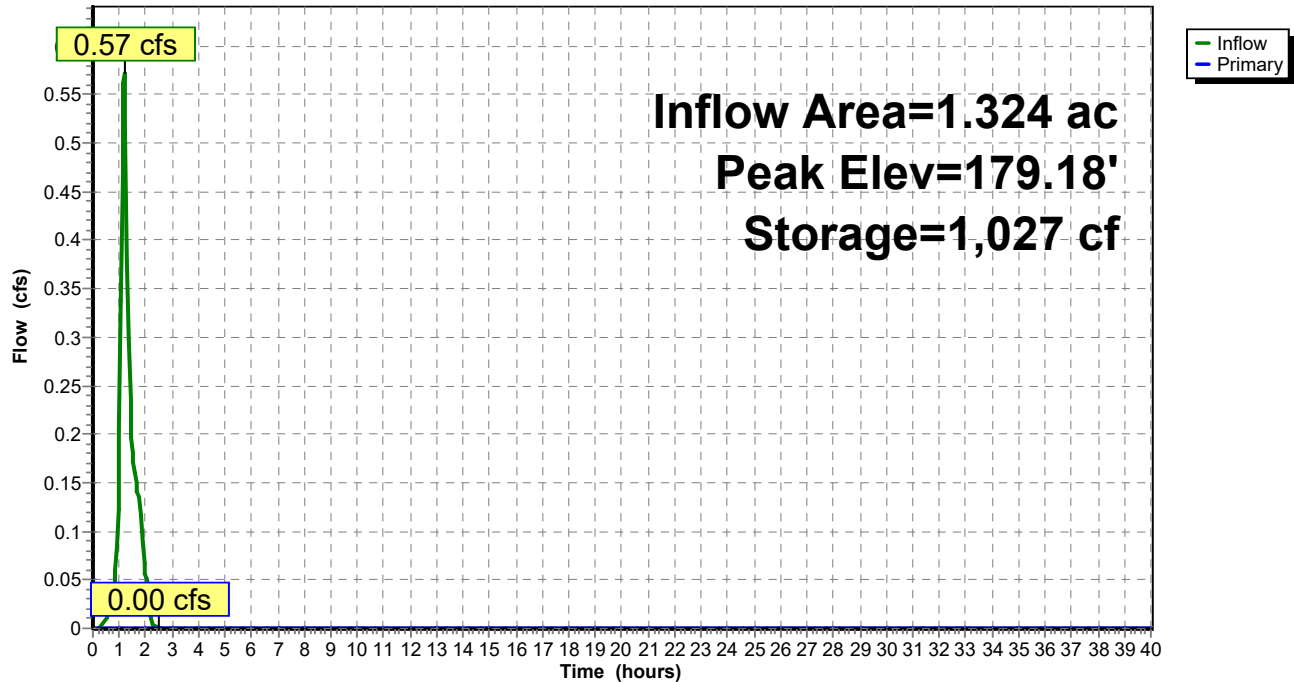
Primary OutFlow Max=0.00 cfs @ 2.47 hrs HW=179.18' (Free Discharge)

- 1=Culvert (Passes 0.00 cfs of 7.53 cfs potential flow)
- 2=Orifice/Grate (Orifice Controls 0.00 cfs @ 0.20 fps)
- 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
- 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-17A: Basin #17A

Hydrograph



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.01	2	179.00	0.00
0.60	0.02	7	179.00	0.00
0.70	0.03	16	179.00	0.00
0.80	0.05	31	179.01	0.00
0.90	0.08	53	179.01	0.00
1.00	0.20	101	179.02	0.00
1.10	0.47	223	179.04	0.00
1.20	0.56	416	179.08	0.00
1.30	0.38	586	179.11	0.00
1.40	0.24	695	179.12	0.00
1.50	0.18	768	179.14	0.00
1.60	0.16	829	179.15	0.00
1.70	0.14	883	179.16	0.00
1.80	0.13	933	179.17	0.00
1.90	0.09	974	179.17	0.00
2.00	0.06	999	179.18	0.00
2.10	0.04	1,017	179.18	0.00
2.20	0.01	1,025	179.18	0.00
2.30	0.00	1,027	179.18	0.00
2.40	0.00	1,027	179.18	0.00
2.50	0.00	1,027	179.18	0.00
2.60	0.00	1,027	179.18	0.00
2.70	0.00	1,027	179.18	0.00
2.80	0.00	1,027	179.18	0.00
2.90	0.00	1,027	179.18	0.00
3.00	0.00	1,027	179.18	0.00
3.10	0.00	1,027	179.18	0.00
3.20	0.00	1,027	179.18	0.00
3.30	0.00	1,027	179.18	0.00
3.40	0.00	1,027	179.18	0.00
3.50	0.00	1,027	179.18	0.00
3.60	0.00	1,027	179.18	0.00
3.70	0.00	1,027	179.18	0.00
3.80	0.00	1,027	179.18	0.00
3.90	0.00	1,027	179.18	0.00
4.00	0.00	1,027	179.18	0.00
4.10	0.00	1,027	179.18	0.00
4.20	0.00	1,027	179.18	0.00
4.30	0.00	1,027	179.18	0.00
4.40	0.00	1,027	179.18	0.00
4.50	0.00	1,026	179.18	0.00
4.60	0.00	1,026	179.18	0.00
4.70	0.00	1,026	179.18	0.00
4.80	0.00	1,026	179.18	0.00
4.90	0.00	1,026	179.18	0.00
5.00	0.00	1,026	179.18	0.00
5.10	0.00	1,026	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	1,026	179.18	0.00
5.30	0.00	1,026	179.18	0.00
5.40	0.00	1,026	179.18	0.00
5.50	0.00	1,026	179.18	0.00
5.60	0.00	1,026	179.18	0.00
5.70	0.00	1,026	179.18	0.00
5.80	0.00	1,026	179.18	0.00
5.90	0.00	1,026	179.18	0.00
6.00	0.00	1,026	179.18	0.00
6.10	0.00	1,026	179.18	0.00
6.20	0.00	1,026	179.18	0.00
6.30	0.00	1,026	179.18	0.00
6.40	0.00	1,026	179.18	0.00
6.50	0.00	1,026	179.18	0.00
6.60	0.00	1,025	179.18	0.00
6.70	0.00	1,025	179.18	0.00
6.80	0.00	1,025	179.18	0.00
6.90	0.00	1,025	179.18	0.00
7.00	0.00	1,025	179.18	0.00
7.10	0.00	1,025	179.18	0.00
7.20	0.00	1,025	179.18	0.00
7.30	0.00	1,025	179.18	0.00
7.40	0.00	1,025	179.18	0.00
7.50	0.00	1,025	179.18	0.00
7.60	0.00	1,025	179.18	0.00
7.70	0.00	1,025	179.18	0.00
7.80	0.00	1,025	179.18	0.00
7.90	0.00	1,025	179.18	0.00
8.00	0.00	1,025	179.18	0.00
8.10	0.00	1,025	179.18	0.00
8.20	0.00	1,025	179.18	0.00
8.30	0.00	1,025	179.18	0.00
8.40	0.00	1,025	179.18	0.00
8.50	0.00	1,025	179.18	0.00
8.60	0.00	1,025	179.18	0.00
8.70	0.00	1,025	179.18	0.00
8.80	0.00	1,025	179.18	0.00
8.90	0.00	1,024	179.18	0.00
9.00	0.00	1,024	179.18	0.00
9.10	0.00	1,024	179.18	0.00
9.20	0.00	1,024	179.18	0.00
9.30	0.00	1,024	179.18	0.00
9.40	0.00	1,024	179.18	0.00
9.50	0.00	1,024	179.18	0.00
9.60	0.00	1,024	179.18	0.00
9.70	0.00	1,024	179.18	0.00
9.80	0.00	1,024	179.18	0.00
9.90	0.00	1,024	179.18	0.00
10.00	0.00	1,024	179.18	0.00
10.10	0.00	1,024	179.18	0.00
10.20	0.00	1,024	179.18	0.00
10.30	0.00	1,024	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	1,024	179.18	0.00
10.50	0.00	1,024	179.18	0.00
10.60	0.00	1,024	179.18	0.00
10.70	0.00	1,024	179.18	0.00
10.80	0.00	1,024	179.18	0.00
10.90	0.00	1,024	179.18	0.00
11.00	0.00	1,024	179.18	0.00
11.10	0.00	1,024	179.18	0.00
11.20	0.00	1,024	179.18	0.00
11.30	0.00	1,023	179.18	0.00
11.40	0.00	1,023	179.18	0.00
11.50	0.00	1,023	179.18	0.00
11.60	0.00	1,023	179.18	0.00
11.70	0.00	1,023	179.18	0.00
11.80	0.00	1,023	179.18	0.00
11.90	0.00	1,023	179.18	0.00
12.00	0.00	1,023	179.18	0.00
12.10	0.00	1,023	179.18	0.00
12.20	0.00	1,023	179.18	0.00
12.30	0.00	1,023	179.18	0.00
12.40	0.00	1,023	179.18	0.00
12.50	0.00	1,023	179.18	0.00
12.60	0.00	1,023	179.18	0.00
12.70	0.00	1,023	179.18	0.00
12.80	0.00	1,023	179.18	0.00
12.90	0.00	1,023	179.18	0.00
13.00	0.00	1,023	179.18	0.00
13.10	0.00	1,023	179.18	0.00
13.20	0.00	1,023	179.18	0.00
13.30	0.00	1,023	179.18	0.00
13.40	0.00	1,023	179.18	0.00
13.50	0.00	1,023	179.18	0.00
13.60	0.00	1,023	179.18	0.00
13.70	0.00	1,023	179.18	0.00
13.80	0.00	1,022	179.18	0.00
13.90	0.00	1,022	179.18	0.00
14.00	0.00	1,022	179.18	0.00
14.10	0.00	1,022	179.18	0.00
14.20	0.00	1,022	179.18	0.00
14.30	0.00	1,022	179.18	0.00
14.40	0.00	1,022	179.18	0.00
14.50	0.00	1,022	179.18	0.00
14.60	0.00	1,022	179.18	0.00
14.70	0.00	1,022	179.18	0.00
14.80	0.00	1,022	179.18	0.00
14.90	0.00	1,022	179.18	0.00
15.00	0.00	1,022	179.18	0.00
15.10	0.00	1,022	179.18	0.00
15.20	0.00	1,022	179.18	0.00
15.30	0.00	1,022	179.18	0.00
15.40	0.00	1,022	179.18	0.00
15.50	0.00	1,022	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	1,022	179.18	0.00
15.70	0.00	1,022	179.18	0.00
15.80	0.00	1,022	179.18	0.00
15.90	0.00	1,022	179.18	0.00
16.00	0.00	1,022	179.18	0.00
16.10	0.00	1,022	179.18	0.00
16.20	0.00	1,022	179.18	0.00
16.30	0.00	1,022	179.18	0.00
16.40	0.00	1,022	179.18	0.00
16.50	0.00	1,021	179.18	0.00
16.60	0.00	1,021	179.18	0.00
16.70	0.00	1,021	179.18	0.00
16.80	0.00	1,021	179.18	0.00
16.90	0.00	1,021	179.18	0.00
17.00	0.00	1,021	179.18	0.00
17.10	0.00	1,021	179.18	0.00
17.20	0.00	1,021	179.18	0.00
17.30	0.00	1,021	179.18	0.00
17.40	0.00	1,021	179.18	0.00
17.50	0.00	1,021	179.18	0.00
17.60	0.00	1,021	179.18	0.00
17.70	0.00	1,021	179.18	0.00
17.80	0.00	1,021	179.18	0.00
17.90	0.00	1,021	179.18	0.00
18.00	0.00	1,021	179.18	0.00
18.10	0.00	1,021	179.18	0.00
18.20	0.00	1,021	179.18	0.00
18.30	0.00	1,021	179.18	0.00
18.40	0.00	1,021	179.18	0.00
18.50	0.00	1,021	179.18	0.00
18.60	0.00	1,021	179.18	0.00
18.70	0.00	1,021	179.18	0.00
18.80	0.00	1,021	179.18	0.00
18.90	0.00	1,021	179.18	0.00
19.00	0.00	1,021	179.18	0.00
19.10	0.00	1,021	179.18	0.00
19.20	0.00	1,021	179.18	0.00
19.30	0.00	1,021	179.18	0.00
19.40	0.00	1,021	179.18	0.00
19.50	0.00	1,020	179.18	0.00
19.60	0.00	1,020	179.18	0.00
19.70	0.00	1,020	179.18	0.00
19.80	0.00	1,020	179.18	0.00
19.90	0.00	1,020	179.18	0.00
20.00	0.00	1,020	179.18	0.00
20.10	0.00	1,020	179.18	0.00
20.20	0.00	1,020	179.18	0.00
20.30	0.00	1,020	179.18	0.00
20.40	0.00	1,020	179.18	0.00
20.50	0.00	1,020	179.18	0.00
20.60	0.00	1,020	179.18	0.00
20.70	0.00	1,020	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	1,020	179.18	0.00
20.90	0.00	1,020	179.18	0.00
21.00	0.00	1,020	179.18	0.00
21.10	0.00	1,020	179.18	0.00
21.20	0.00	1,020	179.18	0.00
21.30	0.00	1,020	179.18	0.00
21.40	0.00	1,020	179.18	0.00
21.50	0.00	1,020	179.18	0.00
21.60	0.00	1,020	179.18	0.00
21.70	0.00	1,020	179.18	0.00
21.80	0.00	1,020	179.18	0.00
21.90	0.00	1,020	179.18	0.00
22.00	0.00	1,020	179.18	0.00
22.10	0.00	1,020	179.18	0.00
22.20	0.00	1,020	179.18	0.00
22.30	0.00	1,020	179.18	0.00
22.40	0.00	1,020	179.18	0.00
22.50	0.00	1,020	179.18	0.00
22.60	0.00	1,019	179.18	0.00
22.70	0.00	1,019	179.18	0.00
22.80	0.00	1,019	179.18	0.00
22.90	0.00	1,019	179.18	0.00
23.00	0.00	1,019	179.18	0.00
23.10	0.00	1,019	179.18	0.00
23.20	0.00	1,019	179.18	0.00
23.30	0.00	1,019	179.18	0.00
23.40	0.00	1,019	179.18	0.00
23.50	0.00	1,019	179.18	0.00
23.60	0.00	1,019	179.18	0.00
23.70	0.00	1,019	179.18	0.00
23.80	0.00	1,019	179.18	0.00
23.90	0.00	1,019	179.18	0.00
24.00	0.00	1,019	179.18	0.00
24.10	0.00	1,019	179.18	0.00
24.20	0.00	1,019	179.18	0.00
24.30	0.00	1,019	179.18	0.00
24.40	0.00	1,019	179.18	0.00
24.50	0.00	1,019	179.18	0.00
24.60	0.00	1,019	179.18	0.00
24.70	0.00	1,019	179.18	0.00
24.80	0.00	1,019	179.18	0.00
24.90	0.00	1,019	179.18	0.00
25.00	0.00	1,019	179.18	0.00
25.10	0.00	1,019	179.18	0.00
25.20	0.00	1,019	179.18	0.00
25.30	0.00	1,019	179.18	0.00
25.40	0.00	1,019	179.18	0.00
25.50	0.00	1,019	179.18	0.00
25.60	0.00	1,019	179.18	0.00
25.70	0.00	1,019	179.18	0.00
25.80	0.00	1,019	179.18	0.00
25.90	0.00	1,019	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	1,018	179.18	0.00
26.10	0.00	1,018	179.18	0.00
26.20	0.00	1,018	179.18	0.00
26.30	0.00	1,018	179.18	0.00
26.40	0.00	1,018	179.18	0.00
26.50	0.00	1,018	179.18	0.00
26.60	0.00	1,018	179.18	0.00
26.70	0.00	1,018	179.18	0.00
26.80	0.00	1,018	179.18	0.00
26.90	0.00	1,018	179.18	0.00
27.00	0.00	1,018	179.18	0.00
27.10	0.00	1,018	179.18	0.00
27.20	0.00	1,018	179.18	0.00
27.30	0.00	1,018	179.18	0.00
27.40	0.00	1,018	179.18	0.00
27.50	0.00	1,018	179.18	0.00
27.60	0.00	1,018	179.18	0.00
27.70	0.00	1,018	179.18	0.00
27.80	0.00	1,018	179.18	0.00
27.90	0.00	1,018	179.18	0.00
28.00	0.00	1,018	179.18	0.00
28.10	0.00	1,018	179.18	0.00
28.20	0.00	1,018	179.18	0.00
28.30	0.00	1,018	179.18	0.00
28.40	0.00	1,018	179.18	0.00
28.50	0.00	1,018	179.18	0.00
28.60	0.00	1,018	179.18	0.00
28.70	0.00	1,018	179.18	0.00
28.80	0.00	1,018	179.18	0.00
28.90	0.00	1,018	179.18	0.00
29.00	0.00	1,018	179.18	0.00
29.10	0.00	1,018	179.18	0.00
29.20	0.00	1,018	179.18	0.00
29.30	0.00	1,018	179.18	0.00
29.40	0.00	1,018	179.18	0.00
29.50	0.00	1,018	179.18	0.00
29.60	0.00	1,018	179.18	0.00
29.70	0.00	1,018	179.18	0.00
29.80	0.00	1,017	179.18	0.00
29.90	0.00	1,017	179.18	0.00
30.00	0.00	1,017	179.18	0.00
30.10	0.00	1,017	179.18	0.00
30.20	0.00	1,017	179.18	0.00
30.30	0.00	1,017	179.18	0.00
30.40	0.00	1,017	179.18	0.00
30.50	0.00	1,017	179.18	0.00
30.60	0.00	1,017	179.18	0.00
30.70	0.00	1,017	179.18	0.00
30.80	0.00	1,017	179.18	0.00
30.90	0.00	1,017	179.18	0.00
31.00	0.00	1,017	179.18	0.00
31.10	0.00	1,017	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	1,017	179.18	0.00
31.30	0.00	1,017	179.18	0.00
31.40	0.00	1,017	179.18	0.00
31.50	0.00	1,017	179.18	0.00
31.60	0.00	1,017	179.18	0.00
31.70	0.00	1,017	179.18	0.00
31.80	0.00	1,017	179.18	0.00
31.90	0.00	1,017	179.18	0.00
32.00	0.00	1,017	179.18	0.00
32.10	0.00	1,017	179.18	0.00
32.20	0.00	1,017	179.18	0.00
32.30	0.00	1,017	179.18	0.00
32.40	0.00	1,017	179.18	0.00
32.50	0.00	1,017	179.18	0.00
32.60	0.00	1,017	179.18	0.00
32.70	0.00	1,017	179.18	0.00
32.80	0.00	1,017	179.18	0.00
32.90	0.00	1,017	179.18	0.00
33.00	0.00	1,017	179.18	0.00
33.10	0.00	1,017	179.18	0.00
33.20	0.00	1,017	179.18	0.00
33.30	0.00	1,017	179.18	0.00
33.40	0.00	1,017	179.18	0.00
33.50	0.00	1,017	179.18	0.00
33.60	0.00	1,017	179.18	0.00
33.70	0.00	1,017	179.18	0.00
33.80	0.00	1,017	179.18	0.00
33.90	0.00	1,017	179.18	0.00
34.00	0.00	1,016	179.18	0.00
34.10	0.00	1,016	179.18	0.00
34.20	0.00	1,016	179.18	0.00
34.30	0.00	1,016	179.18	0.00
34.40	0.00	1,016	179.18	0.00
34.50	0.00	1,016	179.18	0.00
34.60	0.00	1,016	179.18	0.00
34.70	0.00	1,016	179.18	0.00
34.80	0.00	1,016	179.18	0.00
34.90	0.00	1,016	179.18	0.00
35.00	0.00	1,016	179.18	0.00
35.10	0.00	1,016	179.18	0.00
35.20	0.00	1,016	179.18	0.00
35.30	0.00	1,016	179.18	0.00
35.40	0.00	1,016	179.18	0.00
35.50	0.00	1,016	179.18	0.00
35.60	0.00	1,016	179.18	0.00
35.70	0.00	1,016	179.18	0.00
35.80	0.00	1,016	179.18	0.00
35.90	0.00	1,016	179.18	0.00
36.00	0.00	1,016	179.18	0.00
36.10	0.00	1,016	179.18	0.00
36.20	0.00	1,016	179.18	0.00
36.30	0.00	1,016	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	1,016	179.18	0.00
36.50	0.00	1,016	179.18	0.00
36.60	0.00	1,016	179.18	0.00
36.70	0.00	1,016	179.18	0.00
36.80	0.00	1,016	179.18	0.00
36.90	0.00	1,016	179.18	0.00
37.00	0.00	1,016	179.18	0.00
37.10	0.00	1,016	179.18	0.00
37.20	0.00	1,016	179.18	0.00
37.30	0.00	1,016	179.18	0.00
37.40	0.00	1,016	179.18	0.00
37.50	0.00	1,016	179.18	0.00
37.60	0.00	1,016	179.18	0.00
37.70	0.00	1,016	179.18	0.00
37.80	0.00	1,016	179.18	0.00
37.90	0.00	1,016	179.18	0.00
38.00	0.00	1,016	179.18	0.00
38.10	0.00	1,016	179.18	0.00
38.20	0.00	1,016	179.18	0.00
38.30	0.00	1,016	179.18	0.00
38.40	0.00	1,016	179.18	0.00
38.50	0.00	1,016	179.18	0.00
38.60	0.00	1,015	179.18	0.00
38.70	0.00	1,015	179.18	0.00
38.80	0.00	1,015	179.18	0.00
38.90	0.00	1,015	179.18	0.00
39.00	0.00	1,015	179.18	0.00
39.10	0.00	1,015	179.18	0.00
39.20	0.00	1,015	179.18	0.00
39.30	0.00	1,015	179.18	0.00
39.40	0.00	1,015	179.18	0.00
39.50	0.00	1,015	179.18	0.00
39.60	0.00	1,015	179.18	0.00
39.70	0.00	1,015	179.18	0.00
39.80	0.00	1,015	179.18	0.00
39.90	0.00	1,015	179.18	0.00
40.00	0.00	1,015	179.18	0.00

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	59.81
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0	179.52	6,025	2,999
179.01	5,518	55	179.53	6,035	3,059
179.02	5,528	110	179.54	6,045	3,119
179.03	5,538	166	179.55	6,055	3,180
179.04	5,548	221	179.56	6,065	3,240
179.05	5,558	277	179.57	6,075	3,301
179.06	5,568	332	179.58	6,085	3,362
179.07	5,578	388	179.59	6,094	3,423
179.08	5,588	444	179.60	6,104	3,484
179.09	5,597	500	179.61	6,114	3,545
179.10	5,607	556	179.62	6,124	3,606
179.11	5,617	612	179.63	6,134	3,667
179.12	5,627	668	179.64	6,144	3,729
179.13	5,637	724	179.65	6,154	3,790
179.14	5,647	781	179.66	6,164	3,852
179.15	5,657	837	179.67	6,174	3,913
179.16	5,667	894	179.68	6,184	3,975
179.17	5,677	951	179.69	6,194	4,037
179.18	5,687	1,008	179.70	6,204	4,099
179.19	5,697	1,064	179.71	6,214	4,161
179.20	5,707	1,121	179.72	6,224	4,223
179.21	5,717	1,179	179.73	6,234	4,286
179.22	5,727	1,236	179.74	6,244	4,348
179.23	5,737	1,293	179.75	6,254	4,411
179.24	5,747	1,351	179.76	6,263	4,473
179.25	5,757	1,408	179.77	6,273	4,536
179.26	5,766	1,466	179.78	6,283	4,599
179.27	5,776	1,523	179.79	6,293	4,661
179.28	5,786	1,581	179.80	6,303	4,724
179.29	5,796	1,639	179.81	6,313	4,788
179.30	5,806	1,697	179.82	6,323	4,851
179.31	5,816	1,755	179.83	6,333	4,914
179.32	5,826	1,813	179.84	6,343	4,977
179.33	5,836	1,872	179.85	6,353	5,041
179.34	5,846	1,930	179.86	6,363	5,104
179.35	5,856	1,989	179.87	6,373	5,168
179.36	5,866	2,047	179.88	6,383	5,232
179.37	5,876	2,106	179.89	6,393	5,296
179.38	5,886	2,165	179.90	6,403	5,360
179.39	5,896	2,224	179.91	6,413	5,424
179.40	5,906	2,283	179.92	6,422	5,488
179.41	5,916	2,342	179.93	6,432	5,552
179.42	5,925	2,401	179.94	6,442	5,617
179.43	5,935	2,460	179.95	6,452	5,681
179.44	5,945	2,520	179.96	6,462	5,746
179.45	5,955	2,579	179.97	6,472	5,810
179.46	5,965	2,639	179.98	6,482	5,875
179.47	5,975	2,699	179.99	6,492	5,940
179.48	5,985	2,758	180.00	6,502	6,005
179.49	5,995	2,818	180.01	6,512	6,070
179.50	6,005	2,878	180.02	6,523	6,135
179.51	6,015	2,938	180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640	181.60	8,216	17,762
181.09	7,652	13,716	181.61	8,227	17,844
181.10	7,663	13,793	181.62	8,238	17,927
181.11	7,674	13,869	181.63	8,249	18,009
181.12	7,685	13,946	181.64	8,260	18,092
181.13	7,696	14,023	181.65	8,271	18,174
181.14	7,707	14,100	181.66	8,282	18,257
181.15	7,718	14,177	181.67	8,293	18,340
181.16	7,729	14,254	181.68	8,304	18,423
181.17	7,740	14,332	181.69	8,315	18,506
181.18	7,751	14,409	181.70	8,326	18,589
181.19	7,762	14,487	181.71	8,337	18,673
181.20	7,773	14,565	181.72	8,348	18,756
181.21	7,784	14,642	181.73	8,359	18,840
181.22	7,795	14,720	181.74	8,370	18,923
181.23	7,806	14,798	181.75	8,382	19,007
181.24	7,817	14,876	181.76	8,393	19,091
181.25	7,829	14,955	181.77	8,404	19,175
181.26	7,840	15,033	181.78	8,415	19,259
181.27	7,851	15,111	181.79	8,426	19,343
181.28	7,862	15,190	181.80	8,437	19,428
181.29	7,873	15,269	181.81	8,448	19,512
181.30	7,884	15,347	181.82	8,459	19,596
181.31	7,895	15,426	181.83	8,470	19,681
181.32	7,906	15,505	181.84	8,481	19,766
181.33	7,917	15,584	181.85	8,492	19,851
181.34	7,928	15,664	181.86	8,503	19,936
181.35	7,939	15,743	181.87	8,514	20,021
181.36	7,950	15,822	181.88	8,525	20,106
181.37	7,961	15,902	181.89	8,536	20,191
181.38	7,972	15,982	181.90	8,547	20,277
181.39	7,983	16,061	181.91	8,558	20,362
181.40	7,994	16,141	181.92	8,570	20,448
181.41	8,005	16,221	181.93	8,581	20,534
181.42	8,017	16,301	181.94	8,592	20,620
181.43	8,028	16,382	181.95	8,603	20,705
181.44	8,039	16,462	181.96	8,614	20,792
181.45	8,050	16,542	181.97	8,625	20,878
181.46	8,061	16,623	181.98	8,636	20,964
181.47	8,072	16,704	181.99	8,647	21,050
181.48	8,083	16,784	182.00	8,658	21,137
181.49	8,094	16,865	182.01	8,670	21,224
181.50	8,105	16,946	182.02	8,681	21,310
181.51	8,116	17,027	182.03	8,693	21,397
181.52	8,127	17,109	182.04	8,705	21,484
181.53	8,138	17,190	182.05	8,716	21,571
181.54	8,149	17,271	182.06	8,728	21,659
181.55	8,160	17,353	182.07	8,739	21,746
181.56	8,171	17,435	182.08	8,751	21,833
181.57	8,182	17,516	182.09	8,763	21,921
181.58	8,193	17,598	182.10	8,774	22,009
181.59	8,205	17,680	182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184	182.64	9,402	26,916
182.13	8,809	22,272	182.65	9,414	27,010
182.14	8,821	22,361	182.66	9,426	27,105
182.15	8,832	22,449	182.67	9,437	27,199
182.16	8,844	22,537	182.68	9,449	27,293
182.17	8,856	22,626	182.69	9,460	27,388
182.18	8,867	22,714	182.70	9,472	27,483
182.19	8,879	22,803	182.71	9,484	27,577
182.20	8,891	22,892	182.72	9,495	27,672
182.21	8,902	22,981	182.73	9,507	27,767
182.22	8,914	23,070	182.74	9,519	27,862
182.23	8,925	23,159	182.75	9,530	27,958
182.24	8,937	23,248	182.76	9,542	28,053
182.25	8,949	23,338	182.77	9,554	28,148
182.26	8,960	23,427	182.78	9,565	28,244
182.27	8,972	23,517	182.79	9,577	28,340
182.28	8,984	23,607	182.80	9,588	28,436
182.29	8,995	23,697	182.81	9,600	28,532
182.30	9,007	23,787	182.82	9,612	28,628
182.31	9,019	23,877	182.83	9,623	28,724
182.32	9,030	23,967	182.84	9,635	28,820
182.33	9,042	24,057	182.85	9,647	28,916
182.34	9,053	24,148	182.86	9,658	29,013
182.35	9,065	24,239	182.87	9,670	29,110
182.36	9,077	24,329	182.88	9,681	29,206
182.37	9,088	24,420	182.89	9,693	29,303
182.38	9,100	24,511	182.90	9,705	29,400
182.39	9,112	24,602	182.91	9,716	29,497
182.40	9,123	24,693	182.92	9,728	29,595
182.41	9,135	24,785	182.93	9,740	29,692
182.42	9,146	24,876	182.94	9,751	29,789
182.43	9,158	24,967	182.95	9,763	29,887
182.44	9,170	25,059	182.96	9,774	29,985
182.45	9,181	25,151	182.97	9,786	30,082
182.46	9,193	25,243	182.98	9,798	30,180
182.47	9,205	25,335	182.99	9,809	30,278
182.48	9,216	25,427	183.00	9,821	30,377
182.49	9,228	25,519			
182.50	9,240	25,611			
182.51	9,251	25,704			
182.52	9,263	25,796			
182.53	9,274	25,889			
182.54	9,286	25,982			
182.55	9,298	26,075			
182.56	9,309	26,168			
182.57	9,321	26,261			
182.58	9,333	26,354			
182.59	9,344	26,448			
182.60	9,356	26,541			
182.61	9,367	26,635			
182.62	9,379	26,728			
182.63	9,391	26,822			

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 0.43" for WQ Storm event
 Inflow = 1.37 cfs @ 1.15 hrs, Volume= 0.050 af
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to Link PDA-10N : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
 Peak Elev= 179.31' @ 2.60 hrs Surf.Area= 7,217 sf Storage= 2,164 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no outflow)

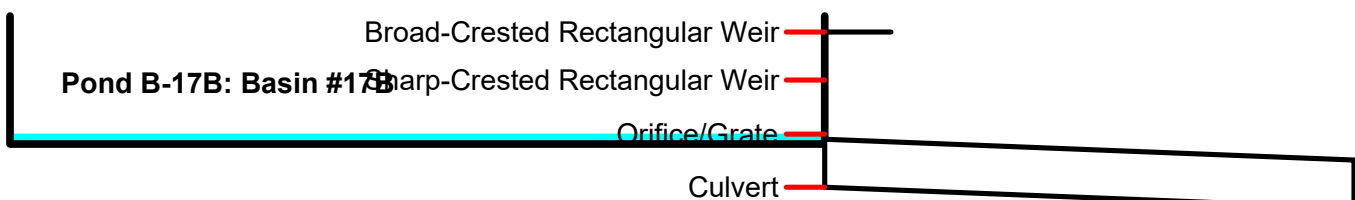
Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	18.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	2.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#4	Primary	182.50'	50.0' long + 3.0 ' SideZ x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

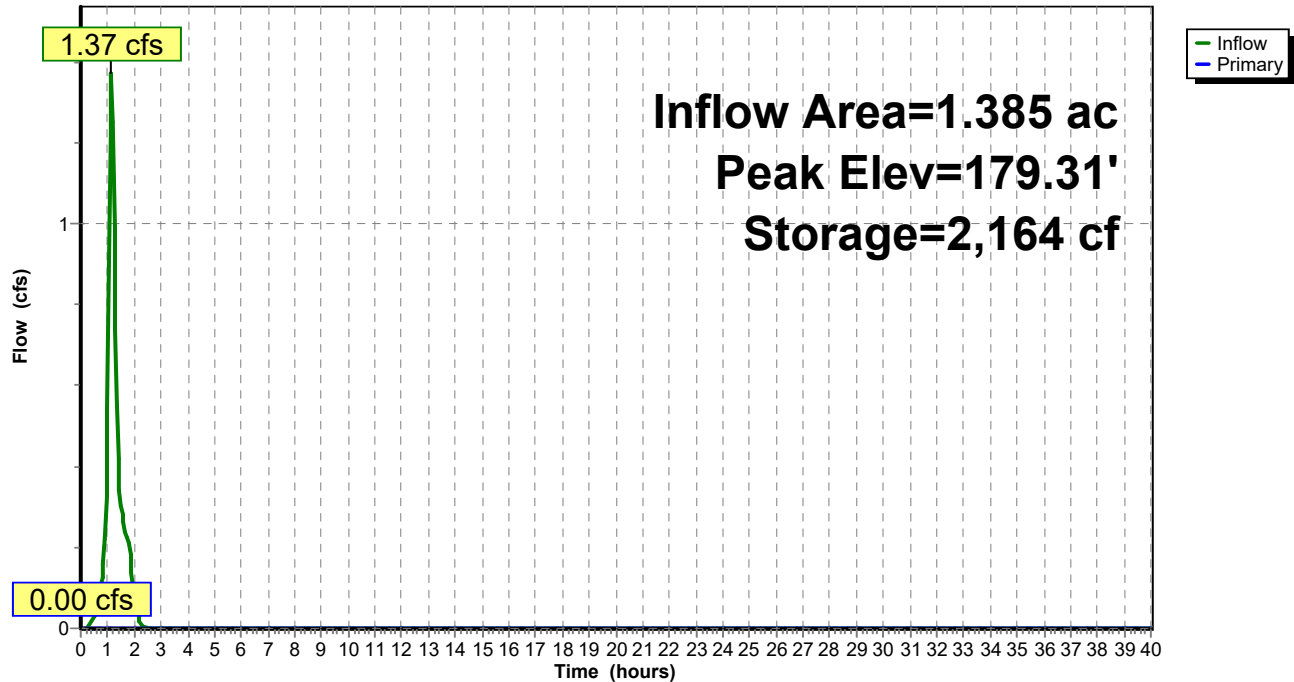
Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=179.00' (Free Discharge)

1=Culvert (Passes 0.00 cfs of 6.63 cfs potential flow)
 2=Orifice/Grate (Controls 0.00 cfs)
 3=Sharp-Crested Rectangular Weir(Controls 0.00 cfs)
 4=Broad-Crested Rectangular Weir(Controls 0.00 cfs)



Pond B-17B: Basin #17B

Hydrograph



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.02	4	179.00	0.00
0.60	0.05	17	179.00	0.00
0.70	0.09	44	179.01	0.00
0.80	0.12	83	179.01	0.00
0.90	0.22	142	179.02	0.00
1.00	0.54	270	179.04	0.00
1.10	1.22	590	179.09	0.00
1.20	1.25	1,060	179.15	0.00
1.30	0.74	1,417	179.20	0.00
1.40	0.42	1,622	179.23	0.00
1.50	0.30	1,749	179.25	0.00
1.60	0.26	1,851	179.26	0.00
1.70	0.22	1,938	179.28	0.00
1.80	0.21	2,017	179.29	0.00
1.90	0.14	2,081	179.30	0.00
2.00	0.09	2,120	179.30	0.00
2.10	0.06	2,147	179.31	0.00
2.20	0.02	2,160	179.31	0.00
2.30	0.00	2,163	179.31	0.00
2.40	0.00	2,163	179.31	0.00
2.50	0.00	2,164	179.31	0.00
2.60	0.00	2,164	179.31	0.00
2.70	0.00	2,164	179.31	0.00
2.80	0.00	2,164	179.31	0.00
2.90	0.00	2,164	179.31	0.00
3.00	0.00	2,164	179.31	0.00
3.10	0.00	2,164	179.31	0.00
3.20	0.00	2,164	179.31	0.00
3.30	0.00	2,164	179.31	0.00
3.40	0.00	2,164	179.31	0.00
3.50	0.00	2,164	179.31	0.00
3.60	0.00	2,164	179.31	0.00
3.70	0.00	2,164	179.31	0.00
3.80	0.00	2,164	179.31	0.00
3.90	0.00	2,164	179.31	0.00
4.00	0.00	2,164	179.31	0.00
4.10	0.00	2,164	179.31	0.00
4.20	0.00	2,164	179.31	0.00
4.30	0.00	2,164	179.31	0.00
4.40	0.00	2,164	179.31	0.00
4.50	0.00	2,164	179.31	0.00
4.60	0.00	2,164	179.31	0.00
4.70	0.00	2,164	179.31	0.00
4.80	0.00	2,164	179.31	0.00
4.90	0.00	2,164	179.31	0.00
5.00	0.00	2,164	179.31	0.00
5.10	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,164	179.31	0.00
5.30	0.00	2,164	179.31	0.00
5.40	0.00	2,164	179.31	0.00
5.50	0.00	2,164	179.31	0.00
5.60	0.00	2,164	179.31	0.00
5.70	0.00	2,164	179.31	0.00
5.80	0.00	2,164	179.31	0.00
5.90	0.00	2,164	179.31	0.00
6.00	0.00	2,164	179.31	0.00
6.10	0.00	2,164	179.31	0.00
6.20	0.00	2,164	179.31	0.00
6.30	0.00	2,164	179.31	0.00
6.40	0.00	2,164	179.31	0.00
6.50	0.00	2,164	179.31	0.00
6.60	0.00	2,164	179.31	0.00
6.70	0.00	2,164	179.31	0.00
6.80	0.00	2,164	179.31	0.00
6.90	0.00	2,164	179.31	0.00
7.00	0.00	2,164	179.31	0.00
7.10	0.00	2,164	179.31	0.00
7.20	0.00	2,164	179.31	0.00
7.30	0.00	2,164	179.31	0.00
7.40	0.00	2,164	179.31	0.00
7.50	0.00	2,164	179.31	0.00
7.60	0.00	2,164	179.31	0.00
7.70	0.00	2,164	179.31	0.00
7.80	0.00	2,164	179.31	0.00
7.90	0.00	2,164	179.31	0.00
8.00	0.00	2,164	179.31	0.00
8.10	0.00	2,164	179.31	0.00
8.20	0.00	2,164	179.31	0.00
8.30	0.00	2,164	179.31	0.00
8.40	0.00	2,164	179.31	0.00
8.50	0.00	2,164	179.31	0.00
8.60	0.00	2,164	179.31	0.00
8.70	0.00	2,164	179.31	0.00
8.80	0.00	2,164	179.31	0.00
8.90	0.00	2,164	179.31	0.00
9.00	0.00	2,164	179.31	0.00
9.10	0.00	2,164	179.31	0.00
9.20	0.00	2,164	179.31	0.00
9.30	0.00	2,164	179.31	0.00
9.40	0.00	2,164	179.31	0.00
9.50	0.00	2,164	179.31	0.00
9.60	0.00	2,164	179.31	0.00
9.70	0.00	2,164	179.31	0.00
9.80	0.00	2,164	179.31	0.00
9.90	0.00	2,164	179.31	0.00
10.00	0.00	2,164	179.31	0.00
10.10	0.00	2,164	179.31	0.00
10.20	0.00	2,164	179.31	0.00
10.30	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,164	179.31	0.00
10.50	0.00	2,164	179.31	0.00
10.60	0.00	2,164	179.31	0.00
10.70	0.00	2,164	179.31	0.00
10.80	0.00	2,164	179.31	0.00
10.90	0.00	2,164	179.31	0.00
11.00	0.00	2,164	179.31	0.00
11.10	0.00	2,164	179.31	0.00
11.20	0.00	2,164	179.31	0.00
11.30	0.00	2,164	179.31	0.00
11.40	0.00	2,164	179.31	0.00
11.50	0.00	2,164	179.31	0.00
11.60	0.00	2,164	179.31	0.00
11.70	0.00	2,164	179.31	0.00
11.80	0.00	2,164	179.31	0.00
11.90	0.00	2,164	179.31	0.00
12.00	0.00	2,164	179.31	0.00
12.10	0.00	2,164	179.31	0.00
12.20	0.00	2,164	179.31	0.00
12.30	0.00	2,164	179.31	0.00
12.40	0.00	2,164	179.31	0.00
12.50	0.00	2,164	179.31	0.00
12.60	0.00	2,164	179.31	0.00
12.70	0.00	2,164	179.31	0.00
12.80	0.00	2,164	179.31	0.00
12.90	0.00	2,164	179.31	0.00
13.00	0.00	2,164	179.31	0.00
13.10	0.00	2,164	179.31	0.00
13.20	0.00	2,164	179.31	0.00
13.30	0.00	2,164	179.31	0.00
13.40	0.00	2,164	179.31	0.00
13.50	0.00	2,164	179.31	0.00
13.60	0.00	2,164	179.31	0.00
13.70	0.00	2,164	179.31	0.00
13.80	0.00	2,164	179.31	0.00
13.90	0.00	2,164	179.31	0.00
14.00	0.00	2,164	179.31	0.00
14.10	0.00	2,164	179.31	0.00
14.20	0.00	2,164	179.31	0.00
14.30	0.00	2,164	179.31	0.00
14.40	0.00	2,164	179.31	0.00
14.50	0.00	2,164	179.31	0.00
14.60	0.00	2,164	179.31	0.00
14.70	0.00	2,164	179.31	0.00
14.80	0.00	2,164	179.31	0.00
14.90	0.00	2,164	179.31	0.00
15.00	0.00	2,164	179.31	0.00
15.10	0.00	2,164	179.31	0.00
15.20	0.00	2,164	179.31	0.00
15.30	0.00	2,164	179.31	0.00
15.40	0.00	2,164	179.31	0.00
15.50	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,164	179.31	0.00
15.70	0.00	2,164	179.31	0.00
15.80	0.00	2,164	179.31	0.00
15.90	0.00	2,164	179.31	0.00
16.00	0.00	2,164	179.31	0.00
16.10	0.00	2,164	179.31	0.00
16.20	0.00	2,164	179.31	0.00
16.30	0.00	2,164	179.31	0.00
16.40	0.00	2,164	179.31	0.00
16.50	0.00	2,164	179.31	0.00
16.60	0.00	2,164	179.31	0.00
16.70	0.00	2,164	179.31	0.00
16.80	0.00	2,164	179.31	0.00
16.90	0.00	2,164	179.31	0.00
17.00	0.00	2,164	179.31	0.00
17.10	0.00	2,164	179.31	0.00
17.20	0.00	2,164	179.31	0.00
17.30	0.00	2,164	179.31	0.00
17.40	0.00	2,164	179.31	0.00
17.50	0.00	2,164	179.31	0.00
17.60	0.00	2,164	179.31	0.00
17.70	0.00	2,164	179.31	0.00
17.80	0.00	2,164	179.31	0.00
17.90	0.00	2,164	179.31	0.00
18.00	0.00	2,164	179.31	0.00
18.10	0.00	2,164	179.31	0.00
18.20	0.00	2,164	179.31	0.00
18.30	0.00	2,164	179.31	0.00
18.40	0.00	2,164	179.31	0.00
18.50	0.00	2,164	179.31	0.00
18.60	0.00	2,164	179.31	0.00
18.70	0.00	2,164	179.31	0.00
18.80	0.00	2,164	179.31	0.00
18.90	0.00	2,164	179.31	0.00
19.00	0.00	2,164	179.31	0.00
19.10	0.00	2,164	179.31	0.00
19.20	0.00	2,164	179.31	0.00
19.30	0.00	2,164	179.31	0.00
19.40	0.00	2,164	179.31	0.00
19.50	0.00	2,164	179.31	0.00
19.60	0.00	2,164	179.31	0.00
19.70	0.00	2,164	179.31	0.00
19.80	0.00	2,164	179.31	0.00
19.90	0.00	2,164	179.31	0.00
20.00	0.00	2,164	179.31	0.00
20.10	0.00	2,164	179.31	0.00
20.20	0.00	2,164	179.31	0.00
20.30	0.00	2,164	179.31	0.00
20.40	0.00	2,164	179.31	0.00
20.50	0.00	2,164	179.31	0.00
20.60	0.00	2,164	179.31	0.00
20.70	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,164	179.31	0.00
20.90	0.00	2,164	179.31	0.00
21.00	0.00	2,164	179.31	0.00
21.10	0.00	2,164	179.31	0.00
21.20	0.00	2,164	179.31	0.00
21.30	0.00	2,164	179.31	0.00
21.40	0.00	2,164	179.31	0.00
21.50	0.00	2,164	179.31	0.00
21.60	0.00	2,164	179.31	0.00
21.70	0.00	2,164	179.31	0.00
21.80	0.00	2,164	179.31	0.00
21.90	0.00	2,164	179.31	0.00
22.00	0.00	2,164	179.31	0.00
22.10	0.00	2,164	179.31	0.00
22.20	0.00	2,164	179.31	0.00
22.30	0.00	2,164	179.31	0.00
22.40	0.00	2,164	179.31	0.00
22.50	0.00	2,164	179.31	0.00
22.60	0.00	2,164	179.31	0.00
22.70	0.00	2,164	179.31	0.00
22.80	0.00	2,164	179.31	0.00
22.90	0.00	2,164	179.31	0.00
23.00	0.00	2,164	179.31	0.00
23.10	0.00	2,164	179.31	0.00
23.20	0.00	2,164	179.31	0.00
23.30	0.00	2,164	179.31	0.00
23.40	0.00	2,164	179.31	0.00
23.50	0.00	2,164	179.31	0.00
23.60	0.00	2,164	179.31	0.00
23.70	0.00	2,164	179.31	0.00
23.80	0.00	2,164	179.31	0.00
23.90	0.00	2,164	179.31	0.00
24.00	0.00	2,164	179.31	0.00
24.10	0.00	2,164	179.31	0.00
24.20	0.00	2,164	179.31	0.00
24.30	0.00	2,164	179.31	0.00
24.40	0.00	2,164	179.31	0.00
24.50	0.00	2,164	179.31	0.00
24.60	0.00	2,164	179.31	0.00
24.70	0.00	2,164	179.31	0.00
24.80	0.00	2,164	179.31	0.00
24.90	0.00	2,164	179.31	0.00
25.00	0.00	2,164	179.31	0.00
25.10	0.00	2,164	179.31	0.00
25.20	0.00	2,164	179.31	0.00
25.30	0.00	2,164	179.31	0.00
25.40	0.00	2,164	179.31	0.00
25.50	0.00	2,164	179.31	0.00
25.60	0.00	2,164	179.31	0.00
25.70	0.00	2,164	179.31	0.00
25.80	0.00	2,164	179.31	0.00
25.90	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,164	179.31	0.00
26.10	0.00	2,164	179.31	0.00
26.20	0.00	2,164	179.31	0.00
26.30	0.00	2,164	179.31	0.00
26.40	0.00	2,164	179.31	0.00
26.50	0.00	2,164	179.31	0.00
26.60	0.00	2,164	179.31	0.00
26.70	0.00	2,164	179.31	0.00
26.80	0.00	2,164	179.31	0.00
26.90	0.00	2,164	179.31	0.00
27.00	0.00	2,164	179.31	0.00
27.10	0.00	2,164	179.31	0.00
27.20	0.00	2,164	179.31	0.00
27.30	0.00	2,164	179.31	0.00
27.40	0.00	2,164	179.31	0.00
27.50	0.00	2,164	179.31	0.00
27.60	0.00	2,164	179.31	0.00
27.70	0.00	2,164	179.31	0.00
27.80	0.00	2,164	179.31	0.00
27.90	0.00	2,164	179.31	0.00
28.00	0.00	2,164	179.31	0.00
28.10	0.00	2,164	179.31	0.00
28.20	0.00	2,164	179.31	0.00
28.30	0.00	2,164	179.31	0.00
28.40	0.00	2,164	179.31	0.00
28.50	0.00	2,164	179.31	0.00
28.60	0.00	2,164	179.31	0.00
28.70	0.00	2,164	179.31	0.00
28.80	0.00	2,164	179.31	0.00
28.90	0.00	2,164	179.31	0.00
29.00	0.00	2,164	179.31	0.00
29.10	0.00	2,164	179.31	0.00
29.20	0.00	2,164	179.31	0.00
29.30	0.00	2,164	179.31	0.00
29.40	0.00	2,164	179.31	0.00
29.50	0.00	2,164	179.31	0.00
29.60	0.00	2,164	179.31	0.00
29.70	0.00	2,164	179.31	0.00
29.80	0.00	2,164	179.31	0.00
29.90	0.00	2,164	179.31	0.00
30.00	0.00	2,164	179.31	0.00
30.10	0.00	2,164	179.31	0.00
30.20	0.00	2,164	179.31	0.00
30.30	0.00	2,164	179.31	0.00
30.40	0.00	2,164	179.31	0.00
30.50	0.00	2,164	179.31	0.00
30.60	0.00	2,164	179.31	0.00
30.70	0.00	2,164	179.31	0.00
30.80	0.00	2,164	179.31	0.00
30.90	0.00	2,164	179.31	0.00
31.00	0.00	2,164	179.31	0.00
31.10	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,164	179.31	0.00
31.30	0.00	2,164	179.31	0.00
31.40	0.00	2,164	179.31	0.00
31.50	0.00	2,164	179.31	0.00
31.60	0.00	2,164	179.31	0.00
31.70	0.00	2,164	179.31	0.00
31.80	0.00	2,164	179.31	0.00
31.90	0.00	2,164	179.31	0.00
32.00	0.00	2,164	179.31	0.00
32.10	0.00	2,164	179.31	0.00
32.20	0.00	2,164	179.31	0.00
32.30	0.00	2,164	179.31	0.00
32.40	0.00	2,164	179.31	0.00
32.50	0.00	2,164	179.31	0.00
32.60	0.00	2,164	179.31	0.00
32.70	0.00	2,164	179.31	0.00
32.80	0.00	2,164	179.31	0.00
32.90	0.00	2,164	179.31	0.00
33.00	0.00	2,164	179.31	0.00
33.10	0.00	2,164	179.31	0.00
33.20	0.00	2,164	179.31	0.00
33.30	0.00	2,164	179.31	0.00
33.40	0.00	2,164	179.31	0.00
33.50	0.00	2,164	179.31	0.00
33.60	0.00	2,164	179.31	0.00
33.70	0.00	2,164	179.31	0.00
33.80	0.00	2,164	179.31	0.00
33.90	0.00	2,164	179.31	0.00
34.00	0.00	2,164	179.31	0.00
34.10	0.00	2,164	179.31	0.00
34.20	0.00	2,164	179.31	0.00
34.30	0.00	2,164	179.31	0.00
34.40	0.00	2,164	179.31	0.00
34.50	0.00	2,164	179.31	0.00
34.60	0.00	2,164	179.31	0.00
34.70	0.00	2,164	179.31	0.00
34.80	0.00	2,164	179.31	0.00
34.90	0.00	2,164	179.31	0.00
35.00	0.00	2,164	179.31	0.00
35.10	0.00	2,164	179.31	0.00
35.20	0.00	2,164	179.31	0.00
35.30	0.00	2,164	179.31	0.00
35.40	0.00	2,164	179.31	0.00
35.50	0.00	2,164	179.31	0.00
35.60	0.00	2,164	179.31	0.00
35.70	0.00	2,164	179.31	0.00
35.80	0.00	2,164	179.31	0.00
35.90	0.00	2,164	179.31	0.00
36.00	0.00	2,164	179.31	0.00
36.10	0.00	2,164	179.31	0.00
36.20	0.00	2,164	179.31	0.00
36.30	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,164	179.31	0.00
36.50	0.00	2,164	179.31	0.00
36.60	0.00	2,164	179.31	0.00
36.70	0.00	2,164	179.31	0.00
36.80	0.00	2,164	179.31	0.00
36.90	0.00	2,164	179.31	0.00
37.00	0.00	2,164	179.31	0.00
37.10	0.00	2,164	179.31	0.00
37.20	0.00	2,164	179.31	0.00
37.30	0.00	2,164	179.31	0.00
37.40	0.00	2,164	179.31	0.00
37.50	0.00	2,164	179.31	0.00
37.60	0.00	2,164	179.31	0.00
37.70	0.00	2,164	179.31	0.00
37.80	0.00	2,164	179.31	0.00
37.90	0.00	2,164	179.31	0.00
38.00	0.00	2,164	179.31	0.00
38.10	0.00	2,164	179.31	0.00
38.20	0.00	2,164	179.31	0.00
38.30	0.00	2,164	179.31	0.00
38.40	0.00	2,164	179.31	0.00
38.50	0.00	2,164	179.31	0.00
38.60	0.00	2,164	179.31	0.00
38.70	0.00	2,164	179.31	0.00
38.80	0.00	2,164	179.31	0.00
38.90	0.00	2,164	179.31	0.00
39.00	0.00	2,164	179.31	0.00
39.10	0.00	2,164	179.31	0.00
39.20	0.00	2,164	179.31	0.00
39.30	0.00	2,164	179.31	0.00
39.40	0.00	2,164	179.31	0.00
39.50	0.00	2,164	179.31	0.00
39.60	0.00	2,164	179.31	0.00
39.70	0.00	2,164	179.31	0.00
39.80	0.00	2,164	179.31	0.00
39.90	0.00	2,164	179.31	0.00
40.00	0.00	2,164	179.31	0.00

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.24
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.28
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.45

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.51	181.60	6.14	182.12	14.91	182.64	23.69
181.09	0.56	181.61	6.28	182.13	15.09	182.65	24.39
181.10	0.62	181.62	6.43	182.14	15.28	182.66	25.11
181.11	0.69	181.63	6.58	182.15	15.47	182.67	25.85
181.12	0.75	181.64	6.73	182.16	15.67	182.68	26.62
181.13	0.82	181.65	6.88	182.17	15.86	182.69	27.40
181.14	0.90	181.66	7.03	182.18	16.05	182.70	28.21
181.15	0.97	181.67	7.18	182.19	16.24	182.71	29.08
181.16	1.05	181.68	7.33	182.20	16.44	182.72	29.97
181.17	1.13	181.69	7.49	182.21	16.61	182.73	30.89
181.18	1.21	181.70	7.64	182.22	16.63	182.74	31.83
181.19	1.29	181.71	7.80	182.23	16.65	182.75	32.80
181.20	1.38	181.72	7.95	182.24	16.67	182.76	33.79
181.21	1.47	181.73	8.11	182.25	16.70	182.77	34.81
181.22	1.56	181.74	8.27	182.26	16.72	182.78	35.86
181.23	1.65	181.75	8.43	182.27	16.74	182.79	36.92
181.24	1.74	181.76	8.59	182.28	16.76	182.80	38.02
181.25	1.84	181.77	8.75	182.29	16.78	182.81	39.13
181.26	1.93	181.78	8.91	182.30	16.80	182.82	40.28
181.27	2.03	181.79	9.07	182.31	16.82	182.83	41.44
181.28	2.14	181.80	9.24	182.32	16.85	182.84	42.63
181.29	2.24	181.81	9.40	182.33	16.87	182.85	43.85
181.30	2.34	181.82	9.57	182.34	16.89	182.86	45.08
181.31	2.45	181.83	9.74	182.35	16.91	182.87	46.35
181.32	2.56	181.84	9.90	182.36	16.93	182.88	47.63
181.33	2.67	181.85	10.07	182.37	16.95	182.89	48.94
181.34	2.78	181.86	10.24	182.38	16.97	182.90	50.28
181.35	2.89	181.87	10.41	182.39	17.00	182.91	51.67
181.36	3.00	181.88	10.58	182.40	17.02	182.92	53.08
181.37	3.12	181.89	10.75	182.41	17.04	182.93	54.52
181.38	3.24	181.90	10.92	182.42	17.06	182.94	55.98
181.39	3.35	181.91	11.10	182.43	17.08	182.95	57.47
181.40	3.47	181.92	11.27	182.44	17.10	182.96	58.99
181.41	3.60	181.93	11.45	182.45	17.12	182.97	60.53
181.42	3.72	181.94	11.62	182.46	17.14	182.98	62.10
181.43	3.84	181.95	11.80	182.47	17.17	182.99	63.69
181.44	3.97	181.96	11.97	182.48	17.19	183.00	65.31
181.45	4.09	181.97	12.15	182.49	17.21		
181.46	4.22	181.98	12.33	182.50	17.23		
181.47	4.35	181.99	12.51	182.51	17.37		
181.48	4.48	182.00	12.69	182.52	17.60		
181.49	4.61	182.01	12.87	182.53	17.90		
181.50	4.75	182.02	13.05	182.54	18.25		
181.51	4.88	182.03	13.23	182.55	18.64		
181.52	5.02	182.04	13.42	182.56	19.08		
181.53	5.15	182.05	13.60	182.57	19.55		
181.54	5.29	182.06	13.79	182.58	20.05		
181.55	5.43	182.07	13.97	182.59	20.59		
181.56	5.57	182.08	14.16	182.60	21.16		
181.57	5.71	182.09	14.34	182.61	21.75		
181.58	5.85	182.10	14.53	182.62	22.37		
181.59	5.99	182.11	14.72	182.63	23.02		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178